Bur. Ent. & Plant Quar. Issued March 1952

UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL RESEARCH ADMINISTRATION

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

SERVICE AND REGULATORY ANNOUNCEMENTS

U.S.A. 69D

LIST OF INTERCEPTED PLANT PESTS, 1950[1]

(List of Pests Recorded During the Period July 1, 1949, to June 30, 1950, Inclusive, as Intercepted in, on, or with Plants and Plant Products Entering United States Territory)

INTRODUCTION

This report, covering the thirty-seventh year for which interception lists have been issued, summarizes the records of insect pests, plant pathogens, and certain other organisms found in, on, or with plants and plant products (1) imported, (2) offered for but refused entry, (3) held as ships' stores, etc., and hence not offered for entry through customs, (4) offered for entry for immediate export or for immediate transportation and exportation in bond, and (5) in domestic shipments between Hawaii and Puerto Rico and the mainland.

In some cases collections made late in the year are included in the report for the following year, since determination cannot be obtained immediately for all of them. Occasionally determinations are delayed for longer periods. The data for this list are obtained from routine reports by personnel of this Bureau, supplemented by information supplied by State and Customs officials. The States of California and Florida maintain staffs of specialists who identify a large proportion of the material collected at their ports. Specialists of the Bureau of Plant Industry, Soils, and Agricultural Engineering determine many of the difficult or unusual pathogens collected at the ports.

All scientific names are reviewed by appropriate specialists in the Department to assure conformance to the international rules of nomenclature.

Although every reasonable effort is made to give the correct origin for all collections listed, the alleged origin of host plant materials cannot be verified in all cases, and where there is reason to doubt the accuracy of the information, the questionable items are either omitted or the origin is listed as unknown.

During the year importations of plant materials continued to arrive in considerable numbers by both surface and air transportation, with the latter means of plant movement continuing to grow in importance. Air passengers' baggage has proved to be an especially frequent avenue of arrival for such serious pests as fruit flies and the golden nematode, which are now able to reach our shores only a few hours after leaving other lands hundreds or even thousands of miles away.

INTERCEPTIONS FROM AIR-BORNE MATERIAL

Plant pests have been intercepted frequently on air-borne plant material in mail, baggage, express, stores, and freight. During the year 3,702 interceptions were made of insects on imported plant parts or as stowaways, and 390 interceptions of plant diseases. Approximately one-fourth of the pathogens were not determinable as to species, but from the evidence, appeared to exhibit little or no risk to the country. A few of the specifically identified parasites are unknown in the United States.

Among the more important insects found in air-borne material were: The citrus blackfly (*Aleurocanthus woglumi*) on *Citrus* sp. leaves in baggage from the Bahamas and Nicaragua; the whitefly, *Aleurothrixus myrtacei*, on gardenia leaf in baggage from Mexico; the Mexican fruit fly (*Anastrepha ludens*) in mango in baggage from

[1] Compiled by W. H. Wheeler, pathologist, Judith Hunt, plant quarantine aid, and P. X. Peltier, entomologist, Division of Plant Quarantines.

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Guatemala, in mango in stores from Mexico, in orange in baggage and quarters from Mexico, in orange in baggage and stores from Guatemala, and in sweet lime in baggage from Mexico; the West Indian fruit fly (*A. mombinpraeoptans*) in mango in baggage from Cuba, Dominican Republic, Guatemala, Jamaica, Mexico, Nicaragua, and Salvador, in mango in baggage and mail from Puerto Rico, in a bag containing *Spondias* spp. and guavas in baggage from Brazil, and in yellow mombin in baggage from Guatemala, Nicaragua, Salvador, and Venezuela; *A. mombinpraeoptans* (?) in mango in baggage from the Canal Zone and in a bag which had contained guavas and yellow mombins from Trinidad; *A. serpentina* in sapote in baggage from Salvador; *A. striata* (?) in guava in baggage from Trinidad; *A. suspensa* in bitter almond in baggage from Puerto Rico, in guava in baggage from Cuba, and in guava in baggage and mail from Puerto Rico; an olethreutid, *Argyroploce leucotreta*, in orange in baggage from the Union of South Africa; a carposonid, *Carposina sasakii*, in apple in baggage from Korea; the Mediterranean fruit fly (*Ceratitis capitata*) in *Annona* sp., cherimoya, and loquat in baggage from the Madeira Islands, in apple in baggage from Portugal, in coffee berries in express from Brazil, in fig in baggage from the Azores and Italy, in grapefruit in stores from Cyprus, in guava in baggage from Israel and Portugal, in kumquat in baggage from France, in orange in baggage from the Azores, Italy, and Spain, in orange in stores from the Azores and Portugal, in peach in baggage from the Azores, Portugal, and Syria, in peach in stores from France and Portugal, in pear in baggage from Austria (?), the Azores, Italy, and Portugal, in pear in stores from the Azores, Portugal, and Turkey, in persimmon in baggage from Italy, in quince in baggage from Italy and Portugal, in plum in baggage from the Azores, in pricklypear in baggage from Italy, in strawberry guava in baggage from Portugal, in tangerine in baggage from the Azores, Italy, Malta, Portugal, and Syria, in tangerine in cargo from Spain, and in tangerine in stores from Portugal and Syria (?); *C. capitata* (?) in apricot in baggage from France and Italy, in fig in baggage from France and Lebanon, in mango in baggage from Egypt, in nectarine in baggage from Italy, in orange in stores from French West Africa and Portugal, in peach in baggage from Italy, in pear in baggage from Syria, and in pricklypear in baggage from Spain; the banana root borer (*Cosmopolites sordidus*) in banana root in baggage from Salvador; *Cylas formicarius* in sweetpotato in stores from India; *C. formicarius* var. in sweetpotato in cargo from the Philippines and in sweetpotato in stores from India; four adults of the oriental fruit fly (*Dacus dorsalis*) were intercepted in preflight inspection of airplanes leaving Hawaii for the mainland; immature stages of *D. dorsalis* (?) were intercepted twice in coffee berries in baggage in preflight inspection of airplanes leaving Hawaii for the mainland and once in an avocado in stores from the Philippines; the olive fruit fly (*D. oleae*) in olive in baggage from Italy, Lebanon, Portugal, Saudi Arabia, Spain, and Syria and in olive in cargo from Italy; the rhododendron whitefly (*Dialeurodes chittendeni*) on rhododendron in express from the Netherlands; the Tahitian coconut weevil (*Diocalandra taitensis*) in coconut in baggage, cargo, and mail in preflight inspection of airplanes leaving Hawaii for the mainland; the East Indian bean pod borer (*Maruca testulalis*) in string bean in cargo from British Guiana, in string bean in mail leaving Hawaii for the mainland, in pigeonpea and green herb in mail from Puerto Rico, in leis of *Canavalia* sp. in baggage in preflight inspection of airplanes leaving Hawaii for the mainland, in pigeonpea and string bean in baggage in preflight inspection of airplanes leaving Puerto Rico for the mainland; the tephritid *Myiopardalis pardalina* in snake melon in baggage from Lebanon; the pink bollworm (*Pectinophora gossypiella*) in cottonseed in baggage from Antigua, in cottonseed in cargo from Siam, in cotton boll in baggage from the Virgin Islands, in cottonseed, okra, and seed cotton in baggage in preflight inspection of airplanes leaving Puerto Rico for the mainland; the leaf roller *Polychrosis botrana* in green grapes in baggage from Lebanon; *Rhagoletis alternata* in rose hips in quarters from unknown origin; *R. cerasi* in cherry in baggage from France, Italy, Spain, and Switzerland and in cherry in stores from France, Italy, and Switzerland; *R. cerasi* (?) in cherry in baggage from Greece and in cherry in stores from Sweden; *Serica brunnea* in soil with unidentified plants in baggage from the Netherlands; *S. brunnea* (?) in soil with plants of *Delphinium* sp. in baggage from Sweden; the coffee berry borer (*Stephanoderes hampei*) in coffee beans in baggage from Brazil, in coffee beans in cargo from the Netherlands East Indies, and in coffee beans in quarters from South America.

The more important plant disease organisms found on air-borne material, and not as yet believed to be established in the United States were: *Ascocyhta citri* (?) on orange in stores from the Fiji Islands; *Cercospora lythracearum* on pomegranate

in baggage from Puerto Rico; *C. pini-densiflorae* on pine in cargo from China; *Chrysomyxa rhododendri* on *Rhododendron ferrugineum* in baggage from Austria, Germany, and Switzerland; *Elsinoe australis* on lemon in baggage from Brazil and on orange in stores from Argentina and Brazil; *E. phaseoli* on lima bean in mail from Puerto Rico; *Maravalia hyalospora* on *Acacia confusa* in cargo from China; *Melampsoridium betulinum* on birch in baggage from Finland; *Phyllosticta nigromaculans* on orchid in baggage from the Philippines; *Septoria examinans* on *Ilex pumila* in express from Switzerland; *S. posekensis* on *Miltonia* sp. (orchid) in cargo from Colombia; *Sphaceloma fawcettii* var. *scabiosa* on lemon in quarters from Australia and on lemon in baggage from New Zealand; *Thecopsora areolata* on *Prunus* sp. in baggage from Finland; *Uromyces scillarum* on *Muscari* sp. in baggage from England; and *Xanthomonas citri* on sour lime in baggage, quarters, and stores from India.

Intercepted plant disease organisms found on air-borne material, that are generally of limited distribution in the United States, were Camellia yellow spot virus on *Camellia japonica* in express from Italy; *Cercospora neriella* on oleander in cargo from Bermuda; *Curvularia lunata* on gladiolus in cargo from Mexico and on gladiolus in express from French Guinea; *Cycloconium oleaginum* on olive in baggage from Italy; *Helminthosporium oryzae* on rice in baggage from Greece; *Heterodera punctata* in soil in baggage from Germany, in soil with chrysanthemum plants in mail, and in soil with orchid roots in express from England; *H. rostochiensis* in soil on heather plants in baggage from Scotland, in soil on shamrock plants in baggage from Ireland, and in soil with a maidenhair fern plant in baggage from England; *Pseudomonas savastanoi* on an olive twig in baggage from Italy; *Puccinia arenariae* on sweet-william in baggage from the Netherlands; *P. chrysanthemi* on chrysanthemum in cargo from Japan; *Septoria chrysanthemi* on chrysanthemum in express from Japan and the Netherlands, and in cargo from Japan and Mexico; *S. citri* on orange in stores from Australia; and *S. perseae* on avocado in baggage from Guatemala.

NOTES ON INSECTS INTERCEPTED

FRUIT FLIES

The following fruit flies were intercepted: *Anastrepha grandis* in squash in stores from Brazil; the Mexican fruit fly (*A. ludens*) in avocado in baggage from Mexico, in grapefruit in baggage, cargo (in transit for export), and in stores from Mexico, in mamey in baggage from Mexico, in mango in baggage from Guatemala and in mango in baggage, quarters, and stores from Mexico, in orange in baggage and stores from Guatemala and Mexico, and in orange in cargo (in transit for export) and in quarters from Mexico, in peach, pear, sapote, sour orange, and sweet lime in baggage from Mexico, and in the refrigerator of a trailer from Mexico; *A. ludens* (?) in apple, avocado, mango, orange, and pomegranate in baggage from Mexico; the West Indian fruit fly (*A. mombinpraeoptans*) in mango in baggage from Cuba, Dominican Republic, Guatemala, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, and Salvador, in mango in cargo from Mexico and Puerto Rico, in mango in mail from Jamaica and Puerto Rico, in mango in quarters from Cuba, Dominican Republic, Guatemala, Haiti, Honduras, Mexico, Panama, and Puerto Rico, in mango in stores from Costa Rica, Mexico, and Panama, in purple mombin in baggage from Mexico, in yellow mombin in baggage from Guatemala, Mexico, Nicaragua, Salvador, and Venezuela, in yellow mombin in mail from Puerto Rico, and in a bag containing *Spondias* spp. and guavas in baggage from Brazil; *A. mombinpraeoptans* (?) in a bag which had contained guavas and yellow mombins in baggage from Trinidad, in mango in baggage from the Canal Zone, Dominican Republic, Mexico, Nicaragua, and Puerto Rico, in mango in mail from the Virgin Islands, and in mango in quarters from Panama; *A. serpentina* in sapote in baggage from Salvador and in tangerine in stores from Peru; *A. serpentina* (?) in mamey in baggage from Mexico; *A. striata* in guava in baggage from the Dominican Republic and Mexico; *A. striata* (?) in guava in baggage from Ecuador and Trinidad; *A. suspensa* in bitter almond in baggage from Puerto Rico, in guava in baggage from Cuba and Puerto Rico, in guava in mail from Puerto Rico; *A. suspensa* (?) in guava in baggage and mail from Puerto Rico; *Ceratitis anonae* in avocado in stores from Gold Coast, Africa; the Mediterranean fruit fly (*C. capitata*) in *Annona* sp. in baggage from the Madeira Islands, in apple in baggage from France, Italy, and Portugal, in cherimoya in baggage from the Madeira Islands, in coffee berries in express from Brazil and coffee

berries in mail from Hawaii, in fig in baggage from the Azores and Italy, in grapefruit in stores from the Canary Islands, Cyprus, Egypt, Israel, and Spain, in guava in baggage from Israel and Portugal, in strawberry guava in baggage from Portugal, in kumquat in baggage from France, in lemon in baggage from Italy, in loquat in baggage and mail from the Madeira Islands, in orange in baggage from the Azores, France (?), Italy, and Spain, in orange in cargo and quarters from Italy, in orange in stores from Algeria, the Azores, Egypt, Italy, and Portugal, in peach in baggage from the Azores, Portugal, and Syria, in peach in stores from France and Portugal, in pear in baggage from Austria (?), the Azores, France, Italy, and Portugal, in pear in stores from the Azores, France, Portugal, and Turkey, in persimmon in baggage from Italy, in plum in baggage from the Azores, in pricklypear in baggage from Italy, in quince in baggage from Italy and Portugal, in tangerine in baggage from the Azores, Italy, Malta, Portugal, Spain, and Syria; *C. capitata* (?) in apple in baggage from France, in apricot in baggage from France and Italy, in cactus fruit in baggage from Italy, in coffee berries in baggage from Hawaii, in fig in baggage from France, Italy, and Lebanon, in grapefruit in stores from Cyrpus, in mango in baggage from Egypt, in nectarine in baggage from Italy, in orange in stores from French West Africa, Italy, and Portugal, in peach in baggage from Italy, in pear in baggage from Syria, in pear in stores from France, and in pricklypear in baggage from Italy and Spain; the melon fly (*Dacus cucurbitae*) in cucumber in cargo and stores from Hawaii, in sweetbell red pepper and tomato in stores from Hawaii; *D. cucurbitae* (?) in cucumber in stores from Hawaii and in melon in stores from India; the Oriental fruit fly (*D. dorsalis*) in banana in baggage, quarters, and stores from Hawaii, in mango in baggage from Hawaii, in mango in mail from Guam, in *Ochrosia elliptica* in baggage from Hawaii, in pepper, sweetbell red pepper, and tomato in stores from Hawaii, and four adults in preflight inspection of airplanes leaving Hawaii for the mainland; *D. dorsalis* (?) in avocado in stores from the Philippines, in banana in baggage from Hawaii, and in coffee berries in baggage from Hawaii; the olive fruit fly (*D. oleae*) in olive in baggage from Greece, Italy, Lebanon, Portugal, Saudi Arabia, Spain, and Syria, in olive in cargo from Italy, and in olive in mail from Italy and Tripoli; *D. oleae* (?) in olive in baggage and stores from Italy; *Myiopardalis pardalina* in snake melon in baggage from Lebanon; *Rhagoletis alternata* in rose hip in quarters from unknown origin; *R. alternata* (?) in rose hip in cargo from the Netherlands; *R. cerasi* in cherry in baggage from France, Italy, Spain, and Switzerland, in cherry in cargo from Germany, in cherry in mail from Switzerland, and in cherry in stores from France, Germany, Italy, and Switzerland; *R. cerasi* (?) in cherry in baggage from Greece and in cherry in stores from Sweden; *R. pomonella* in apple in baggage and quarters from Mexico; *R. striatella* in husk tomato in baggage from Mexico; the papaya fruit fly (*Toxotrypana curvicauda*) in papaya in baggage from Mexico.

INSECTS OTHER THAN FRUIT FLIES

The following miscellaneous insects of special interest were intercepted: The citrus blackfly (*Aleurocanthus woglumi*) on leaves of *Citrus aurantifolia* in baggage and cargo fom Mexico, on leaf of *C. aurantifolia* in stores from Costa Rica, on leaves of *Citrus* sp. in baggage from the Bahamas, Mexico, and Nicaragua, on orange leaf in baggage from Mexico, on sour orange leaf in baggage from Colombia, on tangerine leaf in baggage from Mexico, and on an unknown plant in baggage from Mexico; *Aleurothrixus myrtacei* (Aleyrodidae) on gardenia leaf in baggage from Mexico; a bostrichid, *Bostrychoplites cornutus*, in a wooden crate for veneer in cargo from the Gold Coast; a bruchid, *Bruchidius incarnatus*, a potential pest not established in the United States, in broadbean in baggage from Egypt and Lebanon, in broadbean and lentils in mail from Egypt, and in *Vicia* sp. seed in cargo from Egypt; the Asiatic rice borer (*Chilo simplex*) in rice straw in mail from China, Germany, and Japan, in rice straw in baggage from China, and in rice straw in cargo from China and Japan; *C. simplex* (?) in rice straw in mail from Egypt; *"Chionaspis" funtumiae* (Coccidae) on *Alafia* sp. plant in mail from Nigeria; a scolytid, *Coccotrypes pygmaeus*, in *Euterpe badiocarpa* (palm) in baggage from Brazil, in palm seed in cargo from Mexico, and in *Ptychosperma elegans* (solitaire palm) in baggage from Argentina; *Coptotermes formosanus*, a very destructive subterranean termite, in *Aglaonema simplex* in cargo from China and in wooden packing cases in cargo from Hawaii; *C. niger*, another earth-living termite, in a wooden packing case in cargo from Hawaii; the banana root borer (*Cosmopolites sordidus*) in banana roots in baggage from Salvador;

Crepidodera asphaltina (?)(Chrysomelidae) with tomatoes in cargo from Mexico; *Crioceris lilii* (Chrysomelidae) in Madonna lily bulb in cargo from France; a curculionid, *Diaprepes abbreviatus* var., with an unidentified plant in mail from Puerto Rico; the Tahitian coconut weevil (*Diocalandra taitensis*) in coconut in baggage, cargo, and mail from Hawaii; a curculionid, *Epicaerus cognatus*, in potato in stores from Mexico; *Gymnandrosoma aurantianum* (Olethreutidae) in orange in quarters from Trinidad and in orange in stores from Brazil; a chrysomelid, *Lema bilineata*, recorded as a pest of tobacco in Argentina and Africa where it has established itself, in an airplane originating in Rio de Janeiro, Brazil; *Leucinodes orbornalis* (?) (Pyraustidae) in eggplant in stores from India; *Palaeopus costicollis* (Curculionidae) in ginger root in mail from Jamaica; the pink bollworm (*Pectinophora gossypiella*) in cotton boll in baggage from Hawaii, Venezuela, and the Virgin Islands, in cotton boll in express from the Gold Coast, in cottonseed in baggage from Antigua, Hawaii, and Mexico, in cottonseed in baggage in preflight inspection of an airplane leaving Puerto Rico for the mainland, in cottonseed in cargo from Egypt, India, Lebanon, Mexico, and Siam, in cottonseed in mail from Hawaii, India, Japan, and Syria, in cottonseed in quarters from Mexico, in seed cotton in baggage from Mexico, in seed cotton in baggage in preflight inspection of an airplane leaving Puerto Rico for the mainland, in seed cotton in cargo from Mexico, in seed cotton in mail from Hawaii and the Philippines, in seed cotton in quarters from Mexico, in okra in baggage in preflight inspection of an airplane leaving Puerto Rico for the mainland, in okra in mail from India, and in okra in stores from Brazil and the Dominican Republic; *Pheidole megacephala* (Formicidae), and important economic species, on gladiolus in baggage from Argentina, on hibiscus and oleander in baggage from Bermuda, on lily bud in cargo from Bermuda, on pineapple in cargo from Cuba, on yam in mail from St. Kitts, and in soil with potted plants in quarters from Honduras; *Prays endocarpa* (Hyponomeutidae) in pummelo in stores from the Philippines; *Sesamia cretica* (Phalaenidae) in corn in baggage from Italy; the coffee berry borer (*Stephanoderes hampei*) in coffee beans in baggage and mail from Brazil, in coffee beans in cargo from Angola and the Netherlands East Indies, and in coffee beans in quarters from South America; the bulb scale mite (*Tarsonemus laticeps*) in narcissus bulbs in mail from England and the Netherlands.

SNAILS

Salvaged military equipment continues to be contaminated with the giant African snail (*Achatina fulica*). Nine shiploads were involved during the year. Two of the contaminated cargoes arrived at New Orleans, La., from Guam and Saipan, five at San Pedro, Calif., from Guam and Saipan, and one at Baltimore, Md., from Saipan. In addition to these, one specimen was taken at Honolulu, Hawaii on a *Dendrobium* orchid leaf from Palau Island.

Other interceptions of snails, not known to occur on the mainland of the United States and injurious to agriculture, were *Bradybaena similaris* on plants of the African daisy and on cuttings of geranium at New York, N. Y., from Bermuda, on cut flowers of carnations and snapdragons at the National Airport, Arlington, Va., from Bermuda, and with *Phaseolus vulgaris* at Philadelphia, Pa., from Bermuda. *Lamellaxis* sp. was taken at San Diego, Calif., in soil around an unknown plant from Algeria and also at Honolulu, Hawaii, in potting material for a *Cypripedium* orchid from India.

NOTES ON DISEASES INTERCEPTED

For the fourth year of the last five, India has contributed the greatest number of interceptions (17) of citrus canker (*Xanthomonas citri*), all on sour limes. China, in second place, contributed 10 canker importations on sweet oranges and 1 on Mandarin orange. From Japan came 8 importations of citrus canker on various citrus species including grapefruit, lemon, Mandarin orange, and pummelo. A second disease of importance to the citrus industry, the sweet orange fruit scab (*Elsinoe australis*) was found 42 times each on lemons and oranges from Argentina and Brazil, twice on Mandarin orange from Brazil, once each on grapefruit and lime from Brazil, and 9 times on *Citrus* spp. from Argentina and Brazil. Cancrosis "B", a disease similar to citrus canker, was intercepted 4 times on lemons from Argentina.

The fungus, *Aphanomyces raphani*, was intercepted on radishes in baggage and cargo from Mexico. From the same country came *Cercospora oryzae* intercepted

on rice carried in baggage. A rust of considerable importance, *Chrysomyxa rhododendri*, was brought into this country on 7 different occasions. Three interceptions were made in mail and baggage from Austria, while two each were made in baggage from Switzerland and Germany. This disease is considered a possible threat, not only to certain rhododendrons, but also to the alternate hosts which are members of the genus *Picea*. Another rust of possible importance, *Gymnosporangium haraeanum*, was intercepted on flowering quince in baggage from Japan. The alternate hosts of this rust are species of the genus *Juniperus*. Also of potential importance as a coniferous disease was *Cercospora pini-densiflorae* arriving with a cargo of *Pinus massoniana* from China.

Other organisms of importance were a leaf spot, *Cercospora handelii*, on rhododendron from Belgium and the Netherlands; a fruit- and leaf-spotting fungus, *C. lythracearum*, on pomegranate from Mexico and Puerto Rico; a smut, *Entyloma oryzae*, on rice straw from Mexico; *Helminthosporium oryzae*, causing brown spot of rice, from Cuba, Greece, and Mexico; a rust, *Maravalia hyalospora*, on *Acacia confusa* from China; a rust, *Melampsoridium betulinum*, on birch from Finland; *Mystrosporium adustum*, known as the ink spot fungus, on netted iris bulbs from the Netherlands; the citrus black spot (*Phoma citricarpa*) on various species of *Citrus* from American Samoa, Australia, China, and Japan, on Mandarin orange from Australia, China, and Japan, and on sweet orange from Australia, Argentina, Brazil, China, Japan, the Philippines, Straits Settlements, Tasmania, and the Union of South Africa; a smut, *Urocystis colchici*, on *Colchicum* sp. from the Netherlands; a smut, *C. gladiolicola*, on gladiolus from the Netherlands; and a rust, *Uromyces holwayi*, on Columbia lily from British Columbia. Certain sclerotial forms of fungi were intercepted including *Sclerotinia bulborum* on fritillary from the Netherlands, *S. minor* on endive from Belgium, and *Sclerotium cepivorum* on garlic from Italy.

Nematodes are becoming increasingly important as plant pests. This is the second year that the golden nematode (*Heterodera rostochiensis*) has been intercepted. The year's total of 82 interceptions came from soil with vegetables in ships' stores and in soil with plant material imported for propagation. The countries from which this very serious potato and tomato pest of Europe arrived were Argentina, Denmark, England, France, Germany, Ireland, the Netherlands, Northern Ireland, Poland, Scotland, Sweden, and Wales. Other nematodes of possible concern reported during the year were: *Aphelenchoides ribes* (?) in soil with lavender plant from England; *A. subtenuis* in orchid iris from the Netherlands and in paper-white narcissus from Italy; *Ditylenchus dipsaci* in summer-hyacinth (*Galtonia candicans*) from the Netherlands; *Heterodera avenae* in soil with fig cuttings from Italy; *Meloidogyne arenaria* in begonia tuber from Belgium; *Tylenchus allii* in garlic from Mexico and Spain; and *T. filiformis* in soil with *Artemesia* sp., *Dianthus* sp., and *Sedum* sp. from Italy.

INCOMPLETELY DETERMINED PESTS

Frequently inspectors find insects or pathogens affecting plant material in such a stage or condition that complete and accurate determination is impracticable or impossible. Some of these insects and pathogens are without doubt new to science, and may be destructive pests. The notes below are given to show the general nature of such incompletely determined interceptions.

INSECTS

Among the incompletely determined insects intercepted were the following fruit flies: *Anastrepha* sp., probably *ludens*, at Laredo, Tex., and San Antonio, Tex., in mango in baggage from Mexico, at Brownsville, Tex., in avocado in baggage from Mexico, and at Laredo, Tex., in pear in baggage from Mexico; *Anastrepha* sp., probably *mombinpraeoptans*, at Mobile, Ala., in mango in stores from Haiti and in mango in quarters from Trinidad, at Houston, Tex., in mango in baggage from the Canal Zone, and at New York, N. Y., in mango in baggage from Puerto Rico; *Anastrepha* sp. at Miami, Fla., in *Annona* sp. in baggage from Peru, at Laredo, Tex., in apricot in baggage from Mexico, at Miami, Fla., in cherimoya in baggage from Colombia, at Galveston, Tex., in grapefruit in stores from British Honduras, at New York, N. Y., in grapefruit in stores from Brazil, at Miami, Fla., in guava in baggage from Cuba, at New York, N. Y., in guava in baggage from the British West Indies, at El Paso, Tex., in mamey in baggage from Mexico, at Calexico, Calif., in mango in express from Mexico, at Miami,

Fla., in mango in baggage from Colombia, Dominican Republic, and Nicaragua, at Brownsville, Tex., in mango in baggage from Mexico, at San Pedro, Calif., in mango in baggage from Salvador, at Laredo, Tex., in mango in baggage from Mexico, at New York, N. Y., in mango in quarters from Panama and in mango in baggage from Trinidad, at San Juan, P. R., in mango in baggage from the Dominican Republic, at New York, N. Y., in *Spondias* sp. in mail from Puerto Rico, at Hidalgo, Tex., in orange in baggage from Mexico, at Laredo, Tex., in orange in baggage from Mexico, at New York, N. Y., in orange in stores from Brazil, at Laredo, Tex., in pear and quince in baggage from Mexico, at New York, N. Y., in sapodilla and yellow mombin in baggage from Venezuela, at Miami, Fla., in souari nut in baggage from Colombia; two pupae of *Anastrepha* sp. at Laredo, Tex., on the floor of a refrigerator car from Mexico; probably *Anastrepha* sp. at Hidalgo, Tex., in quince in baggage from Mexico; *Dacus* sp., probably *dorsalis*, at Seattle, Wash., in tomatoes in stores from Hawaii; *Dacus* sp. at Boston, Mass., in squash in stores from the Union of South Africa, and at Honolulu, Hawaii in mango in stores from the Philippines; probably *Dacus* sp., not *cucurbitae*, at New York, N. Y., in melon in stores of an airplane arriving from Iraq, Syria, Turkey, Italy, Germany, Belgium, England, and Ireland; probably *Dacus* sp. at Boston, Mass., in pumpkin in stores from the Union of South Africa; *Rhagoletis* sp., probably *cerasi*, at Chicago, Ill., in cherry in baggage from Egypt; *Rhagoletis* sp. at Galveston, Tex., in apple in stores from Mexico and at Laredo, Tex., in apple in baggage from Mexico, at New York, N. Y., in quince in baggage from Italy, at Laredo, Tex., in *Crataegus* sp. in baggage from Mexico; probably a species of *Rhagoletis* at Boston, Mass., in peach in stores from Portugal. Seventy-four interceptions which could not be identified beyond family (Tephritidae) were taken at Baltimore, Md., in grapefruit and orange in stores from Brazil, at Boston, Mass., in cherimoya in baggage from Israel, in apple and guava in baggage from Portugal, in orange and tangerine in stores from Portugal, in orange and plum in baggage from the Azores, in apple in stores from France, in banana in stores from India, in Japanese persimmon in baggage from Italy, and in tangerine in quarters from Lebanon, at Galveston, Tex., in apple in stores from Mexico and Portugal, at Honolulu, Hawaii, in coconut and in natal plum carissa in mail from Hawaii, in apple in stores from Australia, in grapefruit in stores from New Zealand (?), and in peach in stores on an airplane from Fiji and Australia, at Laredo, Tex., in apple, orange, pear, quince, and walnut in baggage from Mexico, at the National Airport, Arlington, Va., in orange in stores from unknown origin, at New Orleans, La., in orange in stores from Brazil, at Newport News, Va., in orange in stores from Brazil, at New York, N. Y., in avocado in baggage from the Gold Coast, in apple in stores from the Azores, in fig in baggage from Argentina, in grape in baggage from Lebanon, in grapefruit and orange in stores from Brazil, in medlar in cargo from Italy, in orange in baggage from Spain, in pear in baggage from Italy, in pear in stores from France and Portugal, in pear in stores from unknown origin (fruit was loaded at Gander, Canada), and in persimmon in baggage from Italy, at Norfolk, Va., in grapefruit in stores from Egypt, at Philadelphia, Pa., in grapefruit in stores from Cyprus, in orange in quarters from Israel, in pepper in stores from the Gold Coast, at San Diego, Calif., in avocado in stores from Hawaii, at San Francisco, Calif., in avocado, banana, coffee berries, mango, and papaya in baggage from Hawaii, in avocado and mango in stores from Hawaii, and in mango in stores from Tahiti, at San Juan, P. R., in guava in baggage in preflight inspection of an airplane leaving Puerto Rico for the mainland, at San Pedro, Calif., in lychee fruit in baggage from Hawaii, in mango in baggage from Salvador, and in tomato in stores from the Philippines; tephritid (?) at Boston, Mass., in the flowers of *Leucospermum nutans* in baggage from the Union of South Africa, at Honolulu, Hawaii in *Citrus aurantifolia* in baggage in preflight inspection of an airplane leaving Hawaii for the mainland, and at New York, N. Y., in fig in baggage from Italy.

The following miscellaneous insects of special interest were intercepted: An aleyrodid, *Aleurodicus*, new genus and new species, at Brownsville, Tex., on *Cattleya citrina* in cargo from Mexico; *Aleurothrixus* sp. (Aleyrodidae), apparently undescribed, at Laredo, Tex., on orange leaf in baggage from Mexico; *Anchonus* sp. (Curculionidae) at Brownsville, Tex., on an orchid plant in cargo from Mexico; a scarabaeid, *Ancylonycha* sp., at Seattle, Wash., in soil around a quince plant in baggage from Japan; *Aspidiotus* sp. (Coccidae), not placed as a described species, at Miami, Fla., on seed of *Dalbergia* sp. in cargo from Netherlands Guiana; a scarabaeid, *Autoserica* sp., in soil around a quince plant in baggage from Japan; *Blastodacna* sp. (Blastodacnidae) on an apple in stores from the Netherlands;

Bruchidius sp., probably *incarnatus* (Boh.) (Bruchidae), a serious pest of cultivated legumes, at New Orleans, La., in vetch seed in cargo from Syria; *Callosobruchus*, sp. (Bruchidae) at Washington, D. C., in pigeonpea in mail from India; a curculionid, *Cleonus* sp., at Baltimore, Md., in beet in stores from Portugal and at El Paso, Tex., in turnip in cargo from Mexico; *Conotrachelus* sp. (Curculionidae) at Galveston, Tex., and New York, N. Y., in beet in stores from Peru; an elaterid, *Dalopius* sp., probably *marginatus* L., at Hoboken, N. J., with heather roots in mail from England, with a plant of *Rhododendron indicum* in cargo from Belgium, and at New York, N. Y., in soil with unidentified plants in baggage from Sweden; *Diaspis* sp. (Coccidae), apparently undescribed, at Brownsville, Tex., on avocado in baggage and stores from Mexico; *Eosilla* sp., probably *jacobsoni* Rib., (Psoquillidae), a very destructive species, at San Diego, Calif., under nut cap of coconut in mail from American Samoa; a gelechiid, probably *Gnorimoschema*, an unknown species, but not *operculella* (Zell.) or *plaesiosema* (Turner), which are usually associated with potatoes, at Seattle, Wash., in potato in stores from Peru; *Graphognathus* sp. (Curculionidae) at New York, N. Y., in potato in stores from Argentina; a scolytid, *Ips* sp., probably *typographus* (L.), at Houston, Tex., in pine strips around bales of peat moss in cargo from Germany; *Listroderes* sp. (Curculionidae), not like any species now established in the United States, with plums in cargo from Chile; a curculionid, *Lixus* sp., at Boston, Mass., in beet in stores from Egypt; *Lyonetia* sp., probably *prunifoliella* (Hbn.) (Lyonetiidae) at Boston, Mass., in apple leaf in baggage from Lebanon; a phalaenid, *Naranga* sp. probably *brunnea* Hampson, at Honolulu, Hawaii, in rice straw in mail from Japan; *Nassophasis* sp. (Curculionidae) at Hoboken, N. J., in the pseudobulb of the orchid *Coelogyne ocellata* in mail from India; a scolytid, *Orthotomicus* sp., probably *laricis* (F.), at New Orleans, La., in pine strips around bales of cork in cargo from Portugal; a pentatomid, new genus, new species near *Piezodorus*, at Laredo, Tex., on Bromeliad plant in baggage from Mexico; a curculionid, *Phyllobius* sp., at Seattle, Wash., in soil around a dwarf juniper tree in baggage from Japan; *Phyllodecta* sp., probably *vulgatissma* (L.) (Chrysomelidae), said to attack poplars and willows, at New York, N. Y., with *Tritonia* sp., bulbs in cargo from the Netherlands; *Pilophorus* sp., probably *clavatus* (L.) (Miridae) at New York, N. Y., on an apple in baggage from Italy; *Priophorus* sp., probably *padi* (L.) (Tenthredinidae) at Hoboken, N. J., on *Tilia cordata* in cargo from the Netherlands; a phalaenid, *Prodenia* sp., probably *litura* (F.), at Boston, Mass., on cabbage in stores from Egypt; *Rhynchites* sp. (Curculionidae) at Boston, Mass., in cherries from Portugal and at New York, N. Y., in cherries in stores from France; a bruchid, *Zabrotes* sp., new and probably undescribed, at Portland, Oreg., in seed of *Cassia grandis* in mail from Brazil.

There were 3,908 interceptions distributed among 778 genera, which could be identified to genus only. A total of 219 could be determined to family or subfamily only.

A total of 4,127 incompletely determined insects were intercepted during the year.

DISEASES

Among incompletely determined plant disease fungi collected at the ports of entry during the year were the following suspected pathogens: An Actinomycete causing stem galls of rhododendron from England; *Ascochyta* sp. on *Cordona anomala* leaf from China; *Cercospora* sp. on cactus from Mexico; *Cercospora* sp. on fern from Guam; *Cercospora* sp. on palm leaf from Mexico; *Coleosporium* sp. on Scotch pine from Germany; *Elsinoe* sp. on rhododendron from the Netherlands; leprosis on sweet orange from Brazil and on *Citrus* sp., probably *sinensis*, from Mexico; *Mycosphaerella* sp. on *Metasequoia glyptostrobioides* needles from China; *Phomopsis* sp. on mint from India; *Phyllosticta* sp. on *Metasequoia glyptostrobioides* needles from China; *Pseudomonas* sp. on endive from Belgium; *Sclerotium* sp. on *Crocus zonatus*, *Galanthus nivialis plenus*, *Leucojum* sp., *Muscari* sp., and *Narcissus* sp. from the Netherlands, on garlic from the Madeira Islands, on *Galanthus* sp. from Switzerland and Turkey, and on *Narcissus* sp. from France and Italy; *Septoria* sp. on *Anthurium* sp. from Belgium and on lemon from Italy; *Uredo* sp. on leek from England; *Verticillium* sp. on betel palm from Guam, on begonia tuber from the Netherlands, and on pumpkin from Brazil.

Nematode interceptions worthy of mention were: *Aphelenchoides* sp. (undescribed) in corms of colchicum "Lilac Wonder" from the Netherlands; a very interesting new genus and species of the family Aphelenchidae found with sour lime from Mexico; *Helicotylenchus* sp. in soil with the following: Greenhouse plants from England, herbaceous perennials from Germany, English ivy, primula, *Prunus* sp., rose, and Virginia creeper from England; carnation and boxwood from France, carnation cuttings from Italy; *Pratylenchus* sp. (undescribed) in soil with *Begonia* sp., *Artemisia* sp., *Dianthus* sp., *Sedum* sp. from Italy; and *Tylencholaimus* sp. in gladiolus corms from France.

A total of 684 incompletely determined pathogens were recorded during the year.

Geographic summary of interceptions listed in main table and interception totals

Country	Insect	Disease	Country	Insect	Disease
Africa:	*Number*	*Number*	Europe—Continued	*Number*	*Number*
Algeria	3	1	Denmark	6	5
Angola	1	0	England	60	60
Belgian Congo	1	0	Finland	4	2
Canary Islands	1	1	France	67	14
Egypt	20	1	Germany	38	25
French Cameroons	2	0	Greece	24	1
French Guinea	0	1	Ireland	7	21
French West Africa	2	0	Italy	403	79
Gold Coast	9	2	Malta	1	0
Madeira Islands	14	0	Netherlands	60	135
Morocco	1	0	Northern Ireland	1	5
Nigeria	2	0	Norway	10	3
Rhodesia	1	0	Poland	2	2
Transvaal	1	0	Portugal	87	1
Tripoli	1	0	Scotland	13	10
Tunisia	2	0	Spain	23	3
Union of South Africa	22	6	Sweden	25	3
Asia:			Switzerland	10	3
China	17	268	Turkey	15	2
Cyprus	11	1	Wales	0	1
Formosa	1	0	Yugoslavia	2	2
India	36	21	North America:		
Iraq	0	1	Bermuda	43	3
Israel	5	0	Canada	7	5
Japan	87	130	British Columbia	2	1
Korea	4	0	Central America:		
Lebanon	13	2	Canal Zone	73	9
Malaysia	1	0	Costa Rica	44	43
Pakistan	1	1	Guatemala	39	25
Saudi Arabia	3	1	Honduras	21	16
Siam	5	2	Nicaragua	16	1
Straits Settlements	2	2	Panama	43	36
Syria	26	0	Salvador	14	0
Australasia:			Mexico	905	185
American Samoa	2	1	West Indies	2	0
Australia	25	21	American Virgin Islands	2	0
Batavia	1	0	Antigua	4	0
Canton Island	1	0	Aruba	3	0
Ceylon	0	1	Bahamas	8	0
Fiji Islands	0	1	Barbados	9	0
Guam	13	2	British West Indies	5	1
Hawaii	180	2	Cuba	102	29
Kwajalein	2	0	Dominica	2	0
Midway Island	1	0	Dominican Republic	20	4
Netherlands East Indies	3	0	Grenada	0	1
New Zealand	1	2	Haiti	17	2
Palau Island	1	1	Jamaica	26	0
Philippines	49	9	Martinique	1	1
Saipan	7	0	Montserrat	1	0
South Pacific	1	0	Netherlands West Indies	1	0
Tasmania	0	2	Nevis	1	0
Europe:			Puerto Rico	161	16
Austria	2	6	St. Kitts	5	0
Azores	26	1	St. Lucia	1	0
Belgium	20	31	St. Vincent	2	0
Bulgaria	1	0	Tahiti	2	1
Corsica (?)	1	0	Trinidad	26	0
Czechoslovakia	4	1	Virgin Islands	4	0

Geographic summary of interceptions listed in main table and interception totals—Con.

Country	Insect	Disease	Country	Insect	Disease
South America:	*Number*	*Number*	Total—Continued	*Number*	*Number*
Argentina	19	36	Europe	912	416
Brazil	61	74	North America	1,612	379
British Guiana	4	0	South America	179	138
Chile	7	0	Unknown	16	2
Colombia	25	17			
Ecuador	11	8	Total	3,301	1,418
Galapagos Islands	1	0			
Peru	5	2	Total incompletely determined pests, pp. 6–8	4,127	684
South America	1	0	Total insect interceptions	7,428	
Venezuela	45	1	Total disease interceptions		2,102
Total:					
Africa	83	12			
Asia	212	429	Grand total		9,530
Australasia	287	42			

NOTE.—In addition to the countries named above, interceptions were made from Armenia, British Cameroons, British Honduras, Cape Verde Islands, Curacao, Ethiopia, French Guiana, Guadalcanal, Hungary, Iran, Java, Johnston Island, Kenya, Liberia, Luxembourg, Mozambique, Netherlands Guiana, Newfoundland, Oceania, Orient, Pretoria, Sierra Leone, Solomon Islands, Transjordan, Trieste, Uruguay, Wake Island (?), Wales, and West Africa.

List of pests (insects) collected and reported from July 1, 1949, to June 30, 1950 inclusive

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Acalypta parvula (Fall.) (Tingidae):					
Calluna vulgaris (heather)	Scotland			2	N. J., N. Y.
Acanthoscelides armitagei (Pic) (Bruchidae):					
Bamboo	Haiti	1			P. R.
Bean	St. Lucia			1	N. J.
Cajanus cajan (pigeonpea)	American Virgin Islands, British West Indies, Canal Zone, Panama, Puerto Rico, Trinidad.	19		4	N. J., N. Y.
Cajanus sp.	Canal Zone	1			N. J.
Woods moss	Belgium			1	N. J.
Acanthoscelides spinipes (Er.) (Bruchidae):					
Acacia farnesiana (sweet acacia)	France, Greece, Italy, Turkey.			5	D. C., Mich., N. J., N. Y.
Acacia sp.	Greece			1	N. J.
Achatina fulica (Fer.) (Mollusca):					
Dendrobium sp. (orchid)	Palau Island			1	Hawaii.*
Returned military equipment	Guam, Saipan	8			Calif.*, La., Md.
Acrolepia assectella (Zell.) (Hyponomeutidae):					
Allium porrum (leek)	Netherlands		2		N. Y.
Soil with celery	France		1		Va.
Acroleucus vicinalis Dist. (Lygaeidae):					
Orchid	Mexico			1	Tex.
Acronicta tridens (Schiff.) (Phalaenidae):					
Crataegus sp.	Japan			1	Wash.
Acrosternum armiger (Stal) (Pentatomidae):					
Medicago sativa (alfalfa)	Argentina	1			Tex.
Adela viridella (Scop.) (Adelidae):					
Soil and woods moss	France			1	N. J.
Adleria gallae-tinctoriae (Ol.) (Cynipidae):					
Gallnut	Syria	1			N. J.
Adoretus sinicus Burm. (Scarabaeidae):					
Baggage	Hawaii	1			Hawaii.
Adrastus limbatus F. (Elateridae):					
Brassica rapa (turnip)	England		1		Va.
Agalliana ensigera Oman (Cicadellidae):					
Medicago sativa (alfalfa)	Argentina	1			Tex.

List of pests (insects) collected and reported from July 1, 1949, to June 30, 1950, inclusive—Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Aglossa cuprealis (Hbn.) (Pyralididae):					
Allium sativum (garlic)	Italy	1			N. Y.
Lathyrus odoratus (sweetpea)	Portugal			1	N. Y.
Aleurocanthus woglumi Ashby (Aleyrodidae):					
Citrus aurantifolia (sour lime)	Costa Rica, Mexico	13	1		Ariz., Calif.,* Tex.
Citrus aurantium (sour orange)	Colombia	1			N. Y.
Citrus reticulata (Mandarin orange)	Mexico	1			Ariz.
Citrus sinensis (orange)	do	4			Ariz., Tex.
Citrus sp.	Bahamas, Mexico, Nicaragua.	5			Calif.*, Fla.*, Tex.
Plant	Mexico			1	Tex.
Aleuroglandulus emmae Russell (Aleyrodidae):					
Orchid	do			1	Tex.
Aleurolobus olivinus Silv. (Aleyrodidae):					
Olea europaea (olive)	Cyprus, Italy, Syria	3			N. Y.
Aleuroparadoxus gardeniae Russell (Aleyrodidae):					
Gardenia augusta (gardenia)	Mexico	5			Tex.
Aleuroparadoxus ilicicola Russell (Aleyrodidae):					
Karwinskia humboldtiana	do	1			Tex.
Aleuroplatus ilicis Russell (Aleyrodidae):					
Ilex sp. (holly)	do			1	Tex.
Aleurothrixus floccosus (Mask.) (Aleyrodidae):					
Citrus aurantium (sour orange)	Colombia	1			N. Y.
Psidium guajava (guava)	Jamaica, Mexico	3		1	Fla., Tex.
Aleurothrixus myrtacei Bondar (Aleyrodidae):					
Gardenia augusta (gardenia)	Mexico	1			Tex.
Aleurotrachelus trachoides (Back) (Aleyrodidae):					
Aphelandra sinclairiana	Cuba			1	Fla.
Capsicum frutescens (pepper)	Panama			1	Ala.
Leaf	Cuba	1			Fla.*
Aleyrodes spiraeoides Q. (Aleyrodidae):					
Sibiraea laevigata croatica	British Columbia			1	N. J.
Allantus cinctus (L.) (Tenthredinidae):					
Cornus sp.	Netherlands			1	N. J.
Kerria japonica (kerria)	do			2	N. J.
Alpheias conspirata Hein. (Galleriidae):					
Ananas comosus (pineapple)	Mexico	25			Calif.,* Tex.
Gossypium sp. (cottonseed)	do		1		Tex.
Amorbia emigratella Busck (Tortricidae):					
Cattleya sp. (orchid)	Hawaii	1			Hawaii.
Rosa sp.	Mexico	1			Tex.
Amorbia emigratella Busck(?) (Tortricidae):					
Odontoglossum sp. (orchid)	Costa Rica			1	Fla.
Vincentia angustifolia (black sedge)	Hawaii	1			Hawaii.
Anastrepha grandis (Macq.) (Tephritidae):					
Cucurbita maxima (squash)	Brazil		1		Mass.
Anastrepha ludens (Loew) (Tephritidae):					
Citrus aurantifolia (sweet lime)	Mexico	8			Tex.
Citrus aurantium (sour orange)	do	1			Tex.
Citrus paradisi (grapefruit)	do	10	2		Tex.
Citrus sinensis (orange)	Guatemala, Mexico	93	21		Ala., Ariz., Fla.*, La., Md., N. Y., Tex.
Mammea americana (mamey)	Mexico	1			Tex.
Mangifera indica (mango)	Guatemala, Mexico	19	4		Ariz., Calif.*, Tex.
Persea americana (avocado)	Mexico	1			Tex.
Prunus persica (peach)	do	4			Tex.
Pyrus communis (pear)	do	2			Tex.
Sapote	do	2			Tex.
Refrigerator of trailer	do		1		Tex.
Anastrepha ludens (Loew) (?) (Tephritidae):					
Citrus sinensis (orange)	do	1			Tex.
Malus sylvestris (apple)	do	2			Tex.
Mangifera indica (mango)	do	1			Tex.
Persea americana (avocado)	do	1			Tex.
Punica granatum (pomegranate)	do	1			Tex.

List of pests (insects) collected and reported from July 1, 1949, to June 30, 1950, inclusive—Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Anastrepha mombinpraeoptans Sein (Tephritidae):					
Citrus sinensis (orange)	Brazil		2		N. Y.
Mangifera indica (mango)	Costa Rica, Cuba, Dominican Republic, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Salvador.	110	18		Ala., Calif.*, Fla.*, La., Md., Mass., N. Y., Pa., P. R., Tex.
Spondias mombin (yellow mombin)	Guatemala, Mexico, Nicaragua, Puerto Rico, Salvador, Venezuela.	12			Calif.*, La., N. Y., Tex.
Spondias purpurea (purple mombin)	Mexico	1			Tex.
In bag containing guavas and *Spondias* spp.	Brazil	1			N. Y.
Suitcase shakeout	Nicaragua	1			Calif.*
Anastrepha mombinpraeoptans Sein (?) (Tephritidae):					
In bag containing guavas and yellow mombins.	Trinidad	1			N. Y.
Mangifera indica (mango)	Canal Zone, Dominican Republic, Mexico, Nicaragua, Panama, Puerto Rico, Virgin Islands.	19	1		Calif.*, Fla.*, Md., N. Y., Pa., P. R., Tex.
Anastrepha serpentina (Wied.) (Tephritidae):					
Citrus reticulata (Mandarin orange)	Peru		1		Tex.
Sapote	Salvador	1			La.
Anastrepha serpentina (Wied.) (?) (Tephritidae):					
Mammea americana (mamey)	Mexico	1			Tex.
Anastrepha striata Schiner (Tephritidae):					
Psidium guajava (guava)	Dominican Republic, Mexico.	3			Ala., Tex.
Anastrepha striata Schiner (?) (Tephritidae):					
Psidium guajava (guava)	Ecuador, Trinidad	2			Calif.*, N. Y.
Anastrepha suspensa (Loew) (Tephritidae):					
Prunus amygdalus amara (bitter almond)	Puerto Rico	1			P. R.
Psidium guajava (guava)	Cuba, Puerto Rico	29			Fla.*, N. Y., P. R.
Anastrepha suspensa (Loew) (?) (Tephritidae):					
Psidium guajava (guava)	Puerto Rico	5			N. Y.
Ancylostomia stercorea (Zell.) (Phycitidae):					
Cajanus cajan (pigeonpea)	Brazil, British Guiana, Haiti, Puerto Rico.	20			Md., N. Y., P. R.
Pisum sativum (pea)	Canal Zone	1			Wash.
Anomala orientalis Wath. (?) (Scarabaeidae):					
Soil around juniper	Japan			1	Wash.
Antestia variegata lineaticollis (Stal) (Pentatomidae):					
Erica spp.	Union of South Africa	1			N. J.
Protea spp.	do	1			N. J.
Anthomyza cursor (Kieff.) (Anthomyzidae):					
Medicago sativa (alfalfa)	Argentina	1			Tex.
Anthonomus rectirostris L. (Curculionidae):					
Prunus avium (mazzard cherry)	Germany			1	N. J.
Prunus padus (European bird cherry)	Austria			1	N. J.
Antillococris punctatus (Dist.) (Lygaeidae):					
Orchid	Mexico			1	Tex.
Antonina sasae Shiraiwa (Coccidae):					
Sasa kurilensis (bamboo)	Japan			1	D. C.
Anuraphis cynariella (Theob.) (Aphidae):					
Cynara scolymus (globe artichoke)	Italy	2			N. Y.
Anuraphis helichrysi (Kltb.) (Aphidae):					
Antirrhinum majus (snapdragon)	Haiti	1			P. R.
Callistephus chinensis (China aster)	Madeira Islands	1			Pa.
Chrysanthemum maximum (Pyrenees chrysanthemum).	England			1	N. J.
Chrysanthemum sp.	England, Netherlands	1		11	N. J., N. Y.

List of pests (insects) collected and reported from July 1, 1949, to June 30, 1950, inclusive—Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Anuraphis helichrysi (Kltb.) (Aphidae)—Con.					
Daisy	Italy	1		1	N. Y.
Dianthus sp. (carnation)	do	2			N. Y.
Gerbera sp	Bermuda	1			N. Y.
Mertensia sp. (bluebells)	England			1	N. J.
Myosotis sp. (forgetmenot)	Sweden	1			N. Y.
Papaver sp	England			1	N. J.
Aonidiella citrina (Coq.) (Coccidae):					
Citrus limon (lemon)	Japan		1		Calif.*
Aonidiella inornata McKenzie (Coccidae):					
Cocos nucifera (coconut)	Guam, Philippines	3			Calif.*
Aphis grossulariae Kltb. (?) (Aphidae):					
Ribes sp. (currant)	Ireland			1	N. Y.
Apion carduorum Kby. (Curculionidae):					
Cynara scolymus (globe artichoke)	France		3		Pa.
Apion carduorum Kby, (?) (Curculionidae):					
Cynara scolymus (globe artichoke)	Italy		1		Va.
Apion carduorum Kby. var. (Curculionidae):					
Cynara scolymus (globe artichoke)	France		1		Pa.
Apion pomonae F. (Curculionidae):					
Vicia sp. (vetch)	Azores	1			Mass.
Araecerus vieillardi Montr. (Anthribidae):					
Ipomoea tuberosa (wood rose)	Hawaii	1			Hawaii.
Arctorthezia cataphracta (Shaw) (Coccidae):					
Calluna vulgaris (heather)	England			1	Ill.
Lilium sp. (lily)	Scotland			1	N. J.
Woods moss	Ireland			1	N. J.
Argyresthia conjugella (Zell.) (Hyponomeutidae):					
Malus sylvestris (apple)	Finland, Norway, Sweden.	8			N. Y.
Argyroploce leucotreta Meyr. (Olethreutidae):					
Citrus sinensis (orange)	Union of South Africa	1	1		N. Y., Pa.
Aspidiotus britannicus Newst. (Coccidae):					
Laurus nobilis (Grecian laurel)	England		1		N. Y.
Ruscus aculeatus (butchersbroom)	Italy			1	Calif.*
Aspidiotus coryphae Ckll. & Rob. (Coccidae):					
Cocos nucifera (coconut)	Philippines	2	6		Calif.*
Aspidiotus cryptomeriae Kuw. (Coccidae):					
Abies sp. (fir)	Japan		1		Wash.
Aspidiotus degeneratus (Leon) (Coccidae):					
Gardenia spp	Philippines	1			Calif.*
Aspidiotus destructor Sign. (Coccidae):					
Annona squamosa (sugar-apple)	Cuba		1		Fla.*
Cocos nucifera (coconut)	Canal Zone, Costa Rica, Ecuador, Mexico, Panama, Philippines.	31	1		Calif.*, Tex.
Orchid	Canal Zone			1	Fla.
Persea americana (avocado)	Haiti			1	Fla.
Aspidiotus diffinis Newst. (Coccidae):					
Persea americana (avocado)	Mexico			1	Tex.
Philodendron sp	Costa Rica			1	Fla.
Aspidiotus excisus Green (Coccidae):					
Cocos nucifera (coconut)	Philippines	1			Calif.*
Lonicera sp	Trinidad			2	Ala.
Aspidiotus herculeanus Ckll. & Hadd. (Coccidae):					
Bursera simaruba (?)	Dominican Republic	1			Fla.*
Plumeria sp	Hawaii			3	Calif.*
Spondias cytherea (golden-apple)	Puerto Rico	1			N. Y.
Spondias mombin (yellow mombin)	do	1			N. Y.
Aspidiotus palmae Ckll. (Coccidae):					
Citrus paradisi (grapefruit)	Panama		1		Calif.*
Laurus nobilis (Grecian laurel)	Brazil		1		Fla.*
Leaf	Philippines	1			Hawaii.
Leguminosae	Saipan	1			Hawaii.
Aspidiotus pangoensis Doane & Ferris (Coccidae):					
Cocos nucifera (coconut)	Tutuila Island	2			Calif.*
Aspidiotus spiniger Ldgr. (Coccidae):					
Strophanthus glaber	French Cameroons			1	D. C.
Strophanthus sp	do			1	D. C.

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Aspidiotus spinosus Comst. (Coccidae):					
Areca cathecu (betel palm)	Philippines	1			Hawaii.
Astrocaryum confertum	Honduras			1	D. C.
Carica papaya (papaya)	Mexico	1			Calif.*
Cocos nucifera (coconut)	do		1		Calif.*
Diospyros sp. (persimmon)	Italy		1		N. Y.
Aspidiotus zonatus Frauenf. (Coccidae):					
Ceratonia siliqua (carob)	Tunisia			1	D. C.
Ficus carica (fig)	Italy			1	N. Y.
Asterolecanium bambusae (Bdv.) (Coccidae):					
Bamboo	Mexico	1		1	Calif., Tex.
Asterolecanium epidendri (Bouche) (Coccidae):					
Bromeliad	Colombia			1	Fla.
Cattleya sp. (orchid)	Brazil			1	Calif.*
Epidendrum sp. (orchid)	Cuba			1	Fla.
Laelia purpurata (orchid)	Brazil			1	N. J.
Oncidium crispum (orchid)	Colombia			1	Calif.*
Oncidium sp.	do			1	Calif.*
Orchid	Brazil, Costa Rica, Jamaica, Venezuela.			9	Fla., N. J.
Asterolecanium pustulans Ckll. (Coccidae):					
Heliotropium sp. (heliotrope)	Panama			1	N. J.
Jasminum sambac (?)	Mexico		1		Calif.*
Asterolecanium stentae Brain (Coccidae):					
Caralluma piaranthoides	Rhodesia			1	Calif.*
Astyochus setiger Bates (Cerambycidae):					
Guajacum officinale (lignumvitae)	Guatemala	1			N. Y.
Attagenus gloriosae (F.) (Dermestidae):					
Linum sp. (flax)	Mexico	1			Ariz.
Aulacaspis tubercularis Newst. (Coccidae):					
Mangifera indica (mango)	Cuba, Dominica, Salvador.	3			Calif.,* Mass., N. Y.
Automeris randa Druce (Saturniidae):					
Orchid	Mexico			1	Tex.
Bostrychoplites cornutus (Oliv.) (Bostrichidae):					
Wood crate	Gold Coast	1			Va.
Brachyacma palpigera (Wlsm.) (Gelechiidae):					
Cajanus cajan (pigeonpea)	Puerto Rico	1			P. R.
Brachycerus albidentatus Gyll. (Curculionidae):					
Allium sativum (garlic)	Italy	15	1		N. Y., Pa.
Brachycerus algirus (F.) (Curculionidae):					
Allium sativum (garlic)	do	3			Mich., N. Y.
Brachyrhinus ovatus (L.) (Curculionidae):					
Calluna vulgaris (heather)	Canada			1	Wash.
Dianthus sp. (carnation)	Denmark			1	N. Y.
Rubus sp.	Canada			1	N. J.
Brachyrhinus sulcatus (F.) (Curculionidae):					
Burlap around rhododendron plant	Netherlands			1	N. J.
Bradybaena similaris (Fer.) (Mollusca):					
Dianthus sp. (carnation) & snapdragons	Bermuda	1			Va.
Lonas annua (African daisy)	do			1	N. Y.
Pelargonium sp. (geranium)	do			1	N. Y.
Phaseolus vulgaris	do		1		Pa.
Brochymena aculeata Dist. (Pentatomidae):					
Lycopersicon esculentum (tomato)	Mexico	1			Tex.
Bruchidius aurivillii (Blanc) (Bruchidae):					
Acacia farnesiana (sweet acacia)	France			1	N. J.
Bruchidius gilvus (Gyll.) (Bruchidae):					
Desmodium sp.	Italy			1	Fla.
Hedysarum coronarium	do			1	N. Y.
Bruchidius incarnatus Boh. (Bruchidae):					
Lens culinaris (lentil)	Egypt	1			N. Y.
Vicia faba (broadbean)	Egypt, Lebanon	5		1	Md., Mass., N. Y.
Vicia sp.	Egypt	1			N. Y.
Bruchidius lividimonus (Gyll.) var. (Bruchidae):					
Cytisus scoparius (Scotch broom)	Italy			1	N. J.

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Bruchidius quinqueguttatus (Oliv.) (Bruchidae):					
Vicia lutea (yellow vetch)	Turkey			1	D. C.
Vicia sativa (vetch)	Syria			1	D. C.
Bruchus atomarius L. (Bruchidae):					
Vicia faba (broadbean)	Netherlands			1	D. C.
Bruchus azoricus Cr. (Bruchidae):					
Vicia sp	Azores			1	Mass.
Bruchus brachialis Fahr. (Bruchidae):					
Vicia villosa (hairy vetch)	Turkey			1	D. C.
Bruchus dentipes Baudi (Bruchidae):					
Vicia faba (broadbean)	Cyprus, Lebanon, Syria	5		2	Mass., N. J., N. Y.
Vicia sativa (vetch)	Syria			1	D. C.
Vicia sp	Syria, Turkey	1		2	La., N. J., Oreg.
Bruchus emarginatus Allard (Bruchidae):					
Pisum sativum (pea)	India			2	D. C.
Bruchus ervi Froel. (Bruchidae):					
Lens culinaris (lentil)	Ireland, Italy, Syria, Turkey.	8		3	D. C., N. Y.
Lens sp	Syria			1	N. J.
Vicia sativa (vetch)	do	1			La.
Bruchus guttalis Rey. (Bruchidae):					
Vicia sativa (vetch)	Azores	2			Mass.
Vicia sp	Azores, Italy	3			Mass., N. Y.
Bruchus hamatus Mill. (Bruchidae):					
Vicia sativa (vetch)	Turkey			1	N. J.
Vicia sp	do			1	N. J.
Bruchus lentis Froel. (Bruchidae):					
Lens culinaris (lentil)	Germany, Ireland, Italy	7		1	D. C., N. Y.
Bruchus luteicornis Ill. (Bruchidae):					
Grass packing	France			1	N. J.
Vicia sativa (vetch)	France, Poland	3	1		Ala., La., N. Y., Tex.
Vicia sp	Azores, France, Germany, Italy, Portugal.	6	1	1	Md., Mass., N. J., N. Y., Tex.
Bruchus rufipes Hbst. (Bruchidae):					
Vicia faba (broadbean)	Italy	1			N. Y.
Vicia sativa (vetch)	Italy, Syria	2			La.
Vicia sp	Bulgaria, Italy, Turkey	1		2	Ala., N. Y., Oreg.
Bruchus signaticornis Gyll. (Bruchidae):					
Lens culinaris (lentil)	Italy	5			N. Y.
Vicia monantha (bard vetch)	Spain			1	D. C.
Bruchus tristiculus Fahr. (Bruchidae):					
Lathyrus odoratus (sweet pea)	France, Portugal			2	N. Y.
• *Lathyrus sativus* (grass pea)	Italy, Portugal	1		2	Mass., N. J., N. Y.
Vicia sativa (vetch)	Greece	1			D. C.
Bruchus tristis Boh. (Bruchidae):					
Bean	Azores	1			Mass.
Lathyrus sativus (grass pea)	Italy, Portugal, Turkey	4		6	D. C., Mass., N. J., N. Y.
Lathyrus sp	Italy	3		1	N. Y.
Legume	do			1	Mass.
Lupine	do	1			N. Y.
Lupinus albus (white lupine)	do	1			Ohio.
Vicia faba (broadbean)	do			1	Md.
Vicia sativa (vetch)	Greece	2			D. C.
Vicia sp	Turkey			1	N. J.
Bruchus ulicis Muls. (Bruchidae):					
Lens culinaris (lentil)	Italy	2			N. Y.
Vicia ervilia (bitter vetch)	Syria, Turkey			2	D. C.
Vicia sp	do			2	N. J.
Cacoecia pronubana (Hbn.) (Tortricidae):					
Laurus nobilis (Grecian laurel)	England		7		N. Y.
Callidium rufipenne Mots. (Cerambycidae):					
Diospyros sp. (persimmon)	Japan	1			Hawaii.

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Callidium violaceum (L.) (Cerambycidae):					
Picea sp. (spruce)	Finland	1			N. Y.
Pinus sp. (pine)	Germany	1			N. Y.
Wood crating	Sweden	1			Oreg.
Calligrapha argus Stal (Chrysomelidae):					
Bromeliad	Mexico			1	Tex.
Calligrapha diversa (Stal) (Chrysomelidae):					
Orchid	do			1	Ariz.
Callosobruchus ademptus (Sharp) (Bruchidae):					
Pueraria thunbergiana (kudzu-bean)	China, Japan, Korea			7	D. C., N. J., N. Y.
Pueraria sp	India			1	D. C.
Callosobruchus phaseoli (Gyll.) (Bruchidae):					
Dolichos lablab (hyacinth-bean)	British West Indies, India.			2	D. C., N. J.
Dolichos sp	St. Vincent	2			N. Y.
Legume seed	Montserrat, Philippines	1		1	Mass., Wash.
Callosobruchus pulcher Pic (Bruchidae):					
Legume seed	Philippines	1			Wash.
Phaseolus angularis (adzuki bean)	Japan	1			Hawaii.
Camaromyia bullans (Wied.) (Tephritidae):					
Xanthium sp. (cocklebur)	Australia	1			Mass.
Capaneus tetricus Stal (Coreidae):					
Orchid	Mexico			1	Tex.
Capitophorus avellanae Schrank (?) (Aphidae):					
Corylus avellana (filbert)	Italy	1			N. Y.
Capitophorus chrysanthemi Theob. (?) (Aphidae):					
Chrysanthemum sp	Netherlands			1	N. J.
Carbula marginella (Thunb.) (Pentatomidae):					
Vitis sp. (grape)	Union of South Africa	1			N. Y.
Carposina sasakii Mats. (Carposinidae):					
Malus sylvestris (apple)	Korea	1			Minn.
Caryedon fuscus (Goeze) (Bruchidae):					
Acacia farnesiana	Hawaii			1	Hawaii.
Albizzia amara	India			1	N. J.
Arachis hypogaea (peanut)	Portugal			1	Mass.
Cassia javanica (appleblossom senna)	Hawaii			1	Hawaii.
Cassia sp	do	2			Hawaii.
Kerstingiella geocarpa	Gold Coast			1	D. C.
Ceratitis anonae Grab. (Tephritidae):					
Persea americana (avocado)	do		1		N. Y.
Ceratitis capitata (Wied.) (Tephritidae):					
Annona cherimola (cherimoya)	Madeira Islands	1			N. Y.
Annona sp	do	1			Mass.
Citrus limon (lemon)	Italy	2			N. Y.
Citrus paradisi (grapefruit)	Canary Islands, Cyprus, Egypt, Israel, Spain.		13		Mass., N. Y., Pa., Tex.
Citrus reticulata (Mandarin orange)	Azores, Italy, Malta, Portugal, Spain, Syria, unknown.	13	8		La., Mass., N. Y., Va.
Citrus sinensis (orange)	Algeria, Azores, Egypt, France (?), Italy, Portugal, Spain.	9	28		La., Mass., N. Y., Pa.
Coffea sp. (coffee)	Brazil, Hawaii	2			Fla.*, Hawaii.
Cydonia oblonga (quince)	Italy, Portugal	4			Mass., N. Y.
Diospyros sp. (persimmon)	Italy	1			Mass.
Eriobotrya japonica (loquat)	Madeira Islands	2			N. Y.
Ficus carica (fig.)	Azores, Italy	2			Mass., N. Y.
Fortunella japonica (kumquat)	France	1			N. Y.
Malus sylvestris (apple)	France, Italy, Portugal	5			Mass., N. Y.
Opuntia compressa (pricklypear)	Italy	7			N. Y.
Prunus domestica (plum)	Azores	2			Mass.
Prunus persica (peach)	Azores, France, Portugal, Syria.	4	4		Mass., N. Y.
Psidium guajava (guava)	Israel, Portugal	2			Mass.
Psidium littorale (strawberry guava)	Portugal	1			Mass.

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Ceratitis capitata (Wied.) (Tephritidae)—Con.					
Pyrus communis (pear)	Austria (?), Azores, France, Italy, Portugal, Turkey.	12	8	....	Mass., N. Y.
In package with oranges and tangerines	Italy	1	....	....	N. Y.
In package with oranges, plums, pears, and grapes.	Portugal	....	1	....	Mass.
In package with peaches, pricklypears, and pomegranates.	Italy	1	....	....	N. Y.
Ceratitis capitata (Wied.) (?) (Tephritidae):					
Cactus	do	1	....	....	N. Y.
Citrus paradisi (grapefruit)	Cyprus	....	1	....	N. Y.
Citrus sinensis (orange)	French West Africa, Italy, Portugal.	1	3	....	Mass., N. Y.
Coffea sp. (coffee)	Hawaii	1	....	....	Calif.*
Ficus carica (fig)	France, Italy, Lebanon	3	....	....	N. Y.
Malus sylvestris (apple)	France	1	....	....	N. Y.
Mangifera indica (mango)	Egypt	1	....	....	N. Y.
Opuntia compressa (pricklypear)	Italy, Spain	2	....	....	N. Y.
Prunus armeniaca (apricot)	France, Italy	2	....	....	Mass., N. Y.
Prunus persica (peach)	Italy	2	....	....	N. Y.
Prunus persica nectarina (nectarine)	do	1	....	....	N. Y.
Pyrus communis (pear)	France, Syria	1	2	....	Mass., N. Y.
Ceroplastes denudatus Ckll. (Coccidae):					
Laurus nobilis (Grecian laurel)	Virgin Islands	1	....	....	N. Y.
Ceroplastes rubens Mask. (Coccidae):					
Anthurium sp	Hawaii	2	....	....	Calif.*
Camellia japonica var	Japan	....	....	1	Calif.*
Camellia sp	do	....	....	1	Wash.
Euonymus europaeus (European euonymus)	do	....	....	1	Calif.*
Fern	Guam	....	....	1	Hawaii.
Lycium chinense (Chinese matrimony-vine)	Japan	....	....	1	Calif.*
Todea barbara	Australia	....	....	1	Calif.*
Ceroplastes rusci (L.) (Coccidae):					
Ficus carica (fig)	Azores, Germany, Greece, Italy.	3	....	3	Fla., Mass., N. Y.
Ceutorhynchus assimilis Payk. (Curculionidae):					
Orchid	Unknown	1	....	....	Hawaii.
Chaetocnema concinna (Marsh.) (Chrysomelidae):					
Wood moss with *Ribes* plants	Denmark	....	....	1	N. J.
Chaetocnema hortensis (Geoff.) (Chrysomelidae):					
Laburnum sp	do	....	....	1	N. J.
Rhododendron sp	England	....	....	1	Wash.
Chalcolepidius approximatus Er. (Elateridae):					
Gladiolus sp	Mexico	1	....	....	Tex.
Chelysoma variabilis (H.-S.) (Pentatomidae):					
Cactus	do	....	....	1	Tex.
Chilo simplex (Btlr.) (Crambidae):					
Oryza sativa (rice)	China, Germany, Japan	17	....	....	Calif.,* Fla.,* Hawaii, Ill., La., N. Y., Tex., Wash.
Chilo simplex (Btlr.) (?) (Crambidae):					
Oryza sativa (rice)	Egypt	1	....	....	Pa.
Chionaspis elongata (Green) (Coccidae):					
Bamboo	China	1	....	....	Calif.*
"Chionaspis" exalbida Ckll. (Coccidae):					
Aloe sp	Transvaal	....	....	1	Calif.*
"Chionaspis" funiumiae Newst. (Coccidae):					
Alafia sp	Nigeria	....	....	1	D. C.
Chrysolina americana (L.) (Chrysomelidae):					
Rosmarinus officinalis (rosemary)	Italy	....	1	....	La.
Chrysomphalus inopinatus (Leon.) (Coccidae):					
Pistacia vera (pistache)	Lebanon, Syria	3	....	....	N. Y.
Pyrus communis (pear)	Lebanon	....	....	2	Mass.

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Chrysomphalus nigropunctatus (Ckll.) (Coccidae):					
Abies sp. (fir)	Mexico	1			Tex.
Laelia autumnalis (orchid)	do			1	Tex.
Laelia majalis	do			1	Tex.
Laelia sp	do			1	Calif.*
Orchid	do			1	Ariz.
Chrysomphalus odontoglossi (Ckll.) (Coccidae):					
Acacia sp	Galapagos Islands		1		Calif.*
Orchid	Jamaica			1	Fla.
Chrysomphalus personatus (Comst.) (Coccidae):					
Citrus aurantifolia (sour lime)	Mexico		1		Calif.*
Cocos nucifera (cocunut)	Costa Rica, Guatemala	2	1		Calif.*
Hyperbaena ilicifolia	Mexico	1			Ariz.
Laurus nobilis (Grecian laurel)	Brazil, Martinique	1	1		N. Y., Tex.
Persea americana (avocado)	Mexico			1	Tex.
Chrysomphalus pinnulifera (Mask.) (Coccidae):					
Citrus sp	Unknown		1		Mass.
Moraea bicolor (yellow moraea)	India			1	Tex.
Chrysomphalus scutiformis (Ckll.) (Coccidae):					
Citrus aurantifolia (lime)	Mexico	1			Calif.*
Citrus sp	Nicaragua	1			Calif.*
Philodendron sp	Mexico			1	Tex.
Plant	Salvador			1	Calif.*
Chrysomphalus sphaeroides (Ckll.) (Coccidae):					
Leaf	Mexico	2			Tex.
Philodendron sp	do			3	Tex.
Chrysomphalus tenax (McKenzie) (Coccidae):					
Brassavola nodosa (orchid)	Jamaica			1	N. J.
Cattleya deckeri (orchid)	Canal Zone			1	Calif.*
Orchid	Jamaica, Venezuela			2	Fla., Tex.
Philodendron sp	Guatemala, Mexico			2	Fla., Tex.
Chrysomphalus tingi (McKenzie) (Coccidae):					
Cocos nucifera (coconut)	Costa Rica	1			Calif.*
Chrysomphalus umboniferus (Newst.) (Coccidae):					
Cattleya sp. (orchid)	Venezuela			2	N. J.
Chysis sp. (orchid)	Guatemala			1	Tex.
Laelia rubescens (orchid)	Costa Rica			1	Calif.*
Oncidium panamense (orchid)	Canal Zone			1	Hawaii.
Oncidium sp	Guatemala			1	Tex.
Orchid	Guatemala, Honduras, Venezuela.			4	Fla., N. J., Tex.
Schomburgkia sp. (orchid)	Mexico			1	Tex.
Cletus ochraceus (H.-S.) (Coreidae):					
Vitis sp. (grape)	Union of South Africa	1			N. Y.
Coccotrypes pygmaeus Eichh. (Scolytidae):					
Euterpe badiocarpa (palm)	Brazil			1	N. J.
Palm	Mexico			1	Tex.
Ptychosperma elegans (solitaire palm)	Argentina			1	N. J.
Coccus pseudohesperidum (Ckll.) (Coccidae):					
Cattleya gaskelliana pallida (orchid)	Guatemala			1	Tex.
Cattleya mossiae	do			1	Calif.*
Oncidium sp. (orchid)	Germany			1	N. J.
Coccus viridis (Green) (Coccidae):					
Alpinia purpurata	Hawaii	1			Calif.*
Citrus paradisi (grapefruit)	Bahamas, British West Indies.	1	1		Fla.,* N. Y.
Citrus sp	Bahamas	1			Fla.*
Gardenia augusta (gardenia)	Brazil, Cuba, Dominican Republic, Hawaii, Puerto Rico, Venezuela.	27		1	Calif.,* Fla.,* Hawaii, N. Y., P. R.
Gardenia sp	Hawaii, Philippines	2		1	Calif.*
Gomphrena sp	Puerto Rico	1			P. R.
Ixora sp	Dominican Republic, Jamaica.			2	Fla., P. R.
Ligustrum sp	Trinidad			1	Ala.
Plant	Dominican Republic			1	P. R.

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		Consumption	Nonentry	Propagation	
Colaspis inconspicua Jac. (Chrysomelidae):					
Airplane	Guatemala	----	1	----	Tex.
Conchaspis angraeci Ckll. (Coccidae):					
Cattleya mossiae (orchid)	Venezuela	----	----	1	D. C.
Oncidium sp. (orchid)	Mexico	----	----	1	Tex.
Orchid	Cuba, Trinidad	----	----	3	Fla.
Conotrachelus aguacatae Barber (Curculionidae):					
Persea americana (avocado)	Mexico	178	1	----	Ariz., Calif.,* Tex.
Conotrachelus perseae Barber (Curculionidae):					
Persea americana (avocado)	Guatemala, Honduras, Mexico.	6	2	----	Calif.,* La., Tex.
Copaxa lavendera Westw. (Saturniidae):					
Orchid	Mexico	----	----	1	Tex.
Coptotermes formosanus (Shiraki) (Rhinotermitidae):					
Aglaonema simplex (China green)	China	----	----	1	Calif.*
Wooden packing case	Hawaii	1	----	----	Wash.
Coptotermes niger Snyder (Rhinotermitidae):					
Wooden packing case	do	1	----	----	Wash.
Corimelaena elegans (McA. & Mall.) (Pentatomidae):					
Orchid	Mexico	----	----	1	Tex.
Cosmopolites sordidus (Germ.) (Curculionidae):					
Musa paradisiaca sapientum (banana)	Salvador	----	----	1	Calif.*
Cossonus canaliculatus (F.) (Curculionidae):					
Lycopersicon esculentum (tomato)	Mexico	1	----	----	Ariz.
Crepidodera asphaltina Suffr. (?) (Chrysomelidae):					
Lycopersicon esculentum	do	1	----	----	Tex.
Crioceris lilii (Scop.) (Chrysomelidae):					
Lilium candidum (Madonna lily)	France	----	----	3	N. Y.
Crocidosema plebeiana Zell. (Olethreutidae):					
Hibiscus esculentus (okra)	Cuba	5	----	----	Fla.,* La., N. Y., Tex.
Crophius scabrosus Uhler (Lygaeidae):					
Centaurea cyanus (bachelors-button)	Mexico	1	----	----	Tex.
Orchid	do	----	----	2	Ariz., Tex.
Cryphula apicatus (Dist.) (Lygaeidae):					
Oncidium wentworthianum (orchid)	Guatemala	----	----	1	Calif.*
Orchid	do	----	----	1	N. J.
Cryptoblabes gnidiella (Mill.) (Phycitidae):					
Citrus limon (lemon)	Italy	1	----	----	N. Y.
Citrus sinensis (orange)	Italy, Spain	2	----	----	N. Y.
Punica granatum (pomegranate)	Greece, Israel, Italy, Madeira Islands, unknown.	9	----	----	Ill., Mass., N. Y.
Cryptophlebia illepida (Btlr.) (Olethreutidae):					
Macadamia sp	Hawaii	1	----	----	Hawaii.
Cryptorhynchus mangiferae F. (Curculionidae):					
Mangifera indica (mango)	Hawaii, India, Pakistan, unknown.	17	5	1	Calif.,*Hawaii, Mass., N. Y.
Mangifera sp	Hawaii	1	----	----	Calif.*
Cryptotermes brevis (Wlk.) (Kalotermitidae):					
Bamboo	do	1	----	----	Hawaii.
Cardboard carton	Puerto Rico	1	----	----	N. Y.
Wood	Barbados, Venezuela	1	----	1	Mass., N. Y.
Ctenochira cumulata (Boh.) (Chrysomelidae):					
Orchid	Mexico	----	----	1	Tex.
Cylas formicarius (F.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	India, Philippines	1	1	----	Calif.,* N. Y.
Cylas formicarius elegantulus (Summers) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Antigua, Cuba, Dominican Republic, Haiti, Mexico, Puerto Rico.	50	10	----	Ala., Ga., N. Y., P. R. Tex.

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Cylas formicarius (F,) var. (Curculionidae):					
Ipomoea batatas (sweetpotato)	Egypt, Formosa, India, Malaysia, Philippines, Straits Settlements, Tahiti.	3	9	----	Calif.,*Hawaii, Mass., N.Y., Wash.
Cylindronotus laevioctostriatus (Goeze) (Tenebrionidae):					
Sinningia speciosa (gloxinia)	Belgium	----	----	1	N. J.
Dacus cucurbitae (Coq.) (Tephritidae):					
Capsicum frutescens grossum (sweetbell red pepper).	Hawaii	----	1	----	Calif.*
Cucumis sativus (cucumber)	do	----	4	----	Calif.*
Lycopersicon esculentum (tomato)	do	----	13	----	Ala., Calif.,* La., Wash.
Dacus cucurbitae (Coq.) (?) (Tephritidae):					
Cucumis melo (melon)	India	----	1	----	Mass.
Cucumis sativus (cucumber)	Hawaii	----	3	----	Calif.*
Dacus dorsalis Hend. (Tephritidae):					
Airplane	do	----	3	----	Hawaii.
Capsicum frutescens (pepper)	do	----	2	----	La.
Capsicum frutescens grossum (sweetbell red pepper).	do	----	1	----	Calif.*
Lycopersicon esculentum (tomato)	do	----	2	----	Calif.*
Mangifera indica (mango)	Guam, Hawaii	3	----	----	Calif.,* Hawaii.
Musa paradisiaca sapientum (banana)	Hawaii	4	2	----	Calif.*
Ochrosia elliptica	do	1	----	----	Calif.*
Dacus dorsalis Hend. (?) (Tephritidae):					
Coffea sp. (coffee)	do	2	----	----	Hawaii.
Musa paradisiaca sapientum (banana)	do	2	----	----	Calif.*
Persea americana (avocado)	Philippines	----	1	----	Hawaii.
Dacus oleae (Gmel.) (Tephritidae):					
Olea europaea (olive)	Greece, Italy, Lebanon, Portugal, Saudi Arabia, Spain, Syria, Tripoli.	51	----	1	Ill., Mass., N. Y., Oreg., Pa.
Dacus oleae (Gmel.) (?) (Tephritidae):					
Olea europaea (olive)	Italy	1	1	----	Md., Tex.
Dercynus micronyx Champ. (Curculionidae):					
Brownea latifolia (broadleaf flamebean)	Trinidad	----	----	1	Fla.
Diabrotica speciosa (Germ.) (Chrysomelidae):					
Avena sativa (oat)	Argentina	1	----	----	Tex.
Dialeurodes chittendeni Laing (Aleyrodidae):					
Rhododendron sp.	Netherlands	----	----	1	N. J.
Dialeurodes citri (Ashm.) (Aleyrodidae):					
Gardenia sp.	Philippines (?)	----	1	----	Calif.*
Citrus reticulata (Mandarin orange)	Japan	----	1	----	Calif.*
Citrus sp.	Mexico	1	----	----	Tex.
Photinia sp.	Japan	----	----	1	Wash.
Dialeurodes citrifolii (Morg.) (Aleyrodidae):					
Citrus sinensis (orange)	Mexico	1	----	----	Tex.
Citrus sp.	Bahamas	1	----	----	Fla.*
Leaf	Mexico	1	----	----	Tex.
Dialeurodes kirkaldyi (Kot.) (Aleyrodidae):					
Gardenia augusta (gardenia)	Syria	----	----	1	N. J.
Morinda citrifolia	Hawaii	1	----	----	Calif.*
Murraya paniculata (jasminorange)	Siam(?)	1	----	----	Hawaii.
Dialeurodes platicus Bondar (?) (Aleyrodidae):					
Eugenia cauliflora	Brazil	----	----	1	D. C.
Dialeuropora setigera Takah. (Aleyrodidae):					
Leaf	Philippines	1	----	----	Calif.*
Diaprepes abbreviatus L. var. (Curculionidae):					
Plant	Puerto Rico	1	----	----	N. Y.
Diaprepes familiaris Oliv. var. (Curculionidae):					
Nerium oleander (oleander)	Bermuda	1	----	----	N. Y.
Diaspis miranda (Ckll.) (Coccidae):					
Phoradendron flavescens (mistletoe)	Mexico	1	----	----	Tex.
Diatraea magnifactella Dyar (Crambidae):					
Saccharum officinarum (sugarcane)	do	1	----	----	Tex.

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Dicpyhus errans (Wolff) (Miridae):					
Antirrhinum majus (snapdragon)	Germany	1			N. Y.
Dinoderus bifoveolatus (Woll.) (Bostrichidae):					
Cryptomeria sp	Japan			1	Wash.
Enterolobium timbouva (timboe)	Brazil	1			N. Y.
Zingiber officinale (ginger)	Jamaica	1			N. Y.
Dinoderus brevis (Horn) (Bostrichidae):					
Bamboo	India, Japan, Philippines.	6	1		Hawaii, La., Tex.
Cymbidium sp. (orchid)	India			1	N. J.
Grain	do		1		S. C.
Juniperus sp. (juniper)	Japan			1	Wash.
Diocalandra taitensis (Guer.) (Curculionidae):					
Cocos nucifera (coconut)	Hawaii	4			Hawaii.
Dione moneta poeyii Btlr. (Nymphalidae):					
Philodendron radiatum	Guatemala			1	N. J.
Diorymerellus laevimargo Champ. (Curculionidae):					
Orchid	Mexico			5	Tex.
Disonycha antennata Jac. (Chrysomelidae):					
Lycopersicon esculentum (tomato)	do	1			Tex.
Disonycha militaris Jac. (Chrysomelidae):					
Airplane	Guatemala		1		La.
Dizygomyza flavifrons (Mg.) (Agromyzidae):					
Dianthus sp. (carnation)	Italy	1			N. Y.
Drymus assimilis Horvath (Lygaeidae):					
Rhododendron sp	England			1	Wash.
Woods moss with *Ribes* plants	Denmark			1	N. J.
Drymus brunneus (Sahlb.) (Lygaeidae):					
Calluna vulgaris (heather)	England	1			Ill.
Picea abies (Norway spruce)	Norway			1	N. Y.
Rhododendron sp	England			1	Wash.
Drymus sylvaticus (F.) (Lygaeidae):					
Rhododendron azaleodendron	do			1	Wash.
Rhododendron sp	do			1	Wash.
Dysdercus mimulus Hussey (Pyrrhocoridae):					
Lycopersicon esculentum (tomato)	Mexico	1			Tex.
Dyspessa ulula (Bkh.) (Cossidae):					
Allium sativum (garlic)	Italy	3	1	1	Mass., N. Y.
Elytroteinus subtruncatus (Fairm.) (Curculionidae):					
Cocos nucifera (coconut)	Hawaii	1			Hawaii.
Emesopsis nubilus Uhler (Reduviidae):					
Lycopersicon esculentum (tomato)	Mexico	1			Ariz.
Epicaerus cognatus Sharp (Curculionidae):					
Solanum tuberosum (potato)	do		1		Fla.*
Epicometis hirta (Poda) (Scarabaeidae):					
Cynara scolymus (globe artichoke)	Tunisia		1		Pa.
Soil and woods moss	France			1	N. J.
Epidiaspis piricola (del Guer.) (Coccidae):					
Malus sylvestris (apple)	England, Italy, Spain, Sweden.	5	1		N. Y.
Epinotia lantana Busck (?) (Olethreutidae):					
Lantana aculeata	Bermuda			1	N. Y.
Epinotia opposita Hein. (Olethreutidae):					
Phaseolus vulgaris var. (string bean)	Brazil, Mexico, Peru, Venezuela.	2	6		N. Y., Pa., Tex.
Ereunetis flavistrata Wlsm. (Tineidae):					
Cocos nucifera (coconut)	Hawaii	1			Hawaii
Ernobius abietus (F.) (Anobiidae):					
Picea sp. (spruce)	Germany	1			N. Y.
Eucalymnatus tessellatus (Sign.) (Coccidae):					
Cocos nucifera (coconut)	Hawaii	1			Hawaii
Gardenia augusta (gardenia)	Italy, Mexico	1		1	N. Y., Tex.
Eumerus strigatus Fall. (Syrphidae):					
Narcissus sp	France			1	N. Y.
Eumysia stigmella (Dyar) (Phycitidae):					
Echeveria sp	Mexico			2	Calif.

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Eurydema oleraceum (L.) (Pentatomidae):					
Ribes sp.	Germany			1	N. J.
Eurygaster maura (L.) (Pentatomidae):					
Vitis sp. (grape)	Greece	1			N. Y.
Eurytoma cynipsea Boh. (Eurytomidae):					
Salvia sp. (sage)	do	1			N. Y.
Eurytoma onobrychidis Nik. (Eurytomidae):					
Onobrychis sp.	Turkey			1	D. C.
Eurytoma orchidearum (Westw.) (Eurytomidae):					
Cattleya sp. (orchid)	Brazil, Colombia, Venezuela.			5	Fla.
Epidendrum bicornutum (orchid)	Trinidad			1	N. J.
Orchid	Brazil, Colombia, Trinidad, Venezuela.			6	Fla.
Euscepes postfasciatus (Fairm.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Barbados, Brazil, Hawaii, Puerto Rico, Tahiti, Venezuela, Virgin Islands, West Indies.	10	6		Hawaii, La., Mass, N. Y., P. R., Tex., Va.
Euxesta annonae F. (Otitidae):					
Zea mays (corn)	British Guiana		1		Ala.
Euxesta notata (Wied) (Otitidae):					
Dianthus sp. (carnation)	Bermuda	1			Va.
Everes comyntas (Godart) (Lycaenidae):					
Phaseolus vulgaris var. (string bean)	Mexico	1			Ariz.
Evergestis forficalis (L.) (Pyraustidae)					
Brassica oleracea capitata (cabbage)	England, Italy		3		Ala., S. C., Tex.
*Evergestis rimosalis** (Gn.) (Pyraustidae):					
Rorippa nasturtium aquaticum (watercress)	Mexico	1			Tex.
Exosoma lusitanica (L.) (Chrysomelidae):					
Muscari comosum (cipollino)	Italy	1			N. Y.
Rosmarinus officinalis (rosemary)	do			1	N. Y.
Exptochiomera albomaculata (Dist.) (Lygaeidae):					
Ananas comosus (pineapple)	Mexico	1			Tex.
Cucumis melo cantalupensis (cantaloupe)	do	1			Ariz.
Cucurbita maxima (squash)	do	1			Tex.
Orchid	Guatemala			1	N. J.
Persea americana (avocado)	Mexico	1			Tex.
Solanum tuberosum (potato)	do	1			Tex.
Zea mays (corn)	do	2			Tex.
Exptochiomera oblonga (Stal) (Lygaeidae):					
Cucurbita sp. (Italian squash)	do	1			Calif.*
Lycopersicon esculentum (tomato)	do	2			Ariz.
Orchid	do			1	Tex.
Ferrisiana virgata (Ckll.) (Coccidae):					
Brassavola nodosa (orchid)	Guatemala			1	Calif.*
Codiaeum sp. (croton)	Philippines		1		Wash.
Dendrobium spp. (orchid)	do			1	Calif.*
Gossypium sp. (cotton)	Salvador, Venezuela	1		1	La., N. Y.
Graptophyllum scriptum	Philippines			1	Calif.*
Karwinskia humboldtiana	Mexico	1			Tex.
Lonicera sp. (honeysuckle)	India		1		N. Y.
Manihot esculenta (cassava)	Panama			1	Calif.*
Philodendron sp.	Philippines			1	Calif.*
Plant	Canton Island, Philippines.			2	Hawaii.
Polianthes tuberosa (tuberose)	Guatemala			1	La.
Fiorinia phantasma Ckll. & Rob. (Coccidae):					
Leaf	Philippines	1			Hawaii.
Frankliniella cubensis Hood (Thripidae):					
Chrysanthemum sp.	Bermuda	1			N. Y.
Rosa sp.	Cuba	1			Tex.
Frankliniella difficilis Hood (Thripidae):					
Nerium oleander (oleander)	Bermuda			1	N. Y.

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Frankliniella insularis (Frankl.) (Thripidae):					
Antirrhinum majus (snapdragon)	Haiti	2			P. R.
Citrus sp.	Bermuda	1			N. Y.
Coccolobis sp.	do			1	N. Y.
Gardenia augusta (gardenia)	Puerto Rico	1			P. R.
Gladiolus sp.	Haiti	2			P. R.
Hibiscus sp.	Bermuda	5	1		N. Y.
Iris sp.	do	1			N. Y.
Lilium sp.	do	1			Mass.
Nerium oleander (oleander)	do	1		1	N. Y.
Passiflora sp.	do	4	1		Mass., N. Y.
Rosa sp.	Dominican Republic	1			P. R.
Frauenfeldiella jelinekii (Frfld.) (Aleyrodidae):					
Viburnum sp.	Greece			1	N. Y.
Fulvius brevicornis Reuter (Miridae):					
Cedrela sp.	Costa Rica	1			La.
Lilium candidum (Madonna lily)	France			1	N. J.
Fundella pellucens (Zell.) (Phycitidae):					
Cajanus cajan (pigeonpea)	Puerto Rico	2			P. R.
Phaseolus vulgaris var. (string bean)	Aruba	1			N. Y.
Furcaspis biformis (Ckll.) (Coccidae):					
Brassavola sp. (orchid)	Canal Zone			2	Fla.
Catasetum viridiflorum (orchid)	do			1	Calif.*
Cattleya citrina (orchid)	Mexico			1	Calif.*
Cattleya deckeri	Canal Zone			1	Calif.*
Cattleya gigas	Colombia			1	Calif.*
Cattleya sp.	Canal Zone, Colombia, Guam, Puerto Rico, Venezuela.			7	Calif.,* Fla., N. J.
Cutting	Hawaii			1	Calif.*
Epidendrum atropurpureum (orchid)	Canal Zone			3	N. J., Tex.
Fern	Mexico	1			Ariz.
Oncidium sp. (orchid)	Canal Zone, Colombia, Venezuela.			3	Calif.,* N. J., Tex.
Orchid	Brazil, British Guiana, Canal Zone, Colombia, Costa Rica, Hawaii, Panama, Trinidad, Venezuela.		1	26	Calif.,* Fla., N. J., N. Y., P. R.
Plant	Venezuela			1	N. J.
Pseudobulb	Canal Zone			1	Calif.*
Vanda sp. (orchid)	Hawaii			1	Calif.*
Furcaspis oceanica Ldgr. (Coccidae):					
Cocos nucifera (coconut)	Kwajalein			1	Hawaii.
Galerucella lineola (F.) (Chrysomelidae):					
Woods moss with shrubs	Norway			1	N. J.
Gastrodes pacificus (Prov.) (Lygaeidae):					
Picea sp. (spruce)	Canada	1			Wash.
Gelasma illiturata (Wlk.) (Geometridae):					
Oryza sativa (rice)	Korea		1		Wash.
Gelechia ericetella (Hbn.) (Gelechiidae):					
Calluna vulgaris (heather)	Scotland	3			Ill., Mass.
Genopaschia protomi Dyar (?) (Galleriidae):					
Ananas comosus (pineapple)	Cuba	1			N. Y.
Gerstaeckeria mutillaria (Gerst.) (Curculionidae):					
Coryphantha erecta (cactus)	Mexico			1	Tex.
Gnorimoschema gudmannella (Wlsm.) (Gelechiidae):					
Capsicum frutescens (pepper)	Cuba, Mexico	8			Ariz., N. Y.
Capsicum frutescens grossum (sweetbell red pepper).	Mexico, Puerto Rico	2			Ariz., P. R.
Capsicum frutescens longum (chilli pepper)	Mexico	5			Calif., Tex.
Lycopersicon esculentum (tomato)	Bahamas		1		N. Y.
Gortyna flavago (Schiff.) (Phalaenidae):					
Cynara scolymus (globe artichoke)	France		1		N. Y.
Gracilaria azaleella Brants (Gracilariidae):					
Rhododendron indicum (indica azalea)	Belgium			1	N. J.
Rhododendron sp.	Netherlands			5	N. J., Wash.

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Grapholitha packardi (Zell.) (Olethreutidae):					
Prunus persica (peach)	Mexico	1			Tex.
Gymnandrosoma aurantianum DaCosta Lima (Olethreutidae):					
Citrus sinensis (orange)	Brazil, Trinidad		2		La.
Haplothrips bagnalli (Tryb.) (Phlaeothripidae):					
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa	4			D. C., N. Y.
Haplothrips cottei (Vuillet) (Phlaeothripidae):					
Dianthus sp. (carnation)	Greece, unknown	2	3		Ill., Mass.
Haplothrips gowdeyi (Frankl.) (Phlaeothripidae):					
Anemone sp	Bermuda	1			N. Y.
Antirrhinum majus (snapdragon)	Haiti	2			P. R.
Armeria sp. (statice)	Hawaii	1			Calif.*
Aster sp	Haiti	1			P. R.
Canavalia sp	Hawaii	1			Calif.*
Dahlia sp	Bermuda	1			N. Y.
Flowers	Haiti	1			P. R.
Leaf	Hawaii	1			Calif.*
Nerium oleander (oleander)	Bermuda	1			Mass.
Hebrus pusillus (Fall) (Hebridae):					
Convallaria majalis (lily-of-the-valley)	Germany			1	N. Y.
Heilipus parvulus Boh. (Curculionidae):					
Phoebe porosa (imbuya phoebe)	Brazil			1	Fla.
Hemimene juliana (Curt.) (Olethreutidae):					
Castanea sp. (chestnut)	Italy	1			N. Y.
Heterobostrychus aequalis (Waterh.) (Bostrichidae):					
Khaya sp	Gold Coast	1			N. Y.
Wood	Gold Coast, India	4			N. Y., Va.
Heterobostrychus brunneus (Murray) (Bostrichidae):					
Wood	Gold Coast	1			La.
Heterogaster urticea (F.) (Lygaeidae):					
Bryophyllum sp	France			1	N. Y.
Heterotermes convexinctatus (Snyder) (Rhinotermitidae):					
Jasminum sp	Canal Zone			1	Calif.*
Heterotermes tenuis (Hagen) (Rhinotermitidae):					
Musa paradisiaca sapientum (banana)	Panama			1	Ala.
Homothrips distinctus Bagn. (Thripidae):					
Protea cynarioides (honeypot protea)	Union of South Africa	1			N. Y.
Homotoma ficus (L.) (Psyllidae):					
Ficus carica (fig)	Italy			1	N. Y.
Hyalopoplus pellucidus (Stal) (Miridae):					
Airplane	Hawaii		1		Calif.*
Hylesinus fraxini (Panz.) (Scolytidae):					
Fraxinus sp. (ash)	England	1			Mass.
Hylurgops palliatus (Gyll.) (Scolytidae):					
Pinus sp. (pine)	Belgium, Germany	9			La., N. Y.
Hypera fasciculata (Hbst.) (Curculionidae):					
Brassica oleracea capitata (cabbage)	Portugal	2			N. Y.
Hypoborus ficus Er. (Scolytidae):					
Ficus carica (fig)	Syria	1			N. Y.
Icerya littoralis Ckll. (Coccidae):					
Carica papaya (papaya)	Mexico		1		Calif.*
Iphiclides podalirius (L.) (Papilionidae):					
Pyrus communis (pear)	Italy	1			Ill.
Ips combrae (Heer) (Scolytidae):					
Pinus sp. (pine)	Netherlands	1			Ala.
Ips interstitialis (Eichh.) (Scolytidae):					
Ipomoea jicama (jicama)	Mexico	1			Tex.
Ips typographus (L.) (Scolytidae):					
Pinus sp. (pine)	Czechoslovakia, Germany.	5			La., N. Y.

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		Consumption	Nonentry	Propagation	
Iridomyrmex humilis Mayr (Formicidae):					
Antirrhinum majus (snapdragon)	Portugal			1	N. Y.
Aster sp.	Bermuda	1			N. Y.
Begonia sp.	Portugal	1			N. Y.
Brassica oleracea capitata (cabbage)	Italy, Portugal	1	1		N. Y.
Dahlia sp.	Portugal			1	N. Y.
Dianthus sp. (carnation)	Italy	3			N. Y.
Diospyros sp. (persimmon)	do	1			N. Y.
Eriobotrya japonica (loquat)	Azores	1			N. Y.
Ficus carica (fig)	Italy			1	N. Y.
Gerbera sp.	Bermuda	1			N. Y.
Gladiolus sp.	Italy, Portugal	1		2	Mass., N. Y.
Lathyrus odoratus (sweet pea)	Portugal			1	N. Y.
Leucadendron argenteum (silver-fir)	Union of South Africa	1			N. Y.
Lilium sp. (lily)	Azores, France			2	Mass., N. J.
Mathiola sp. (stock)	Portugal			1	N. Y.
Mimosa sp.	Italy	2			N. Y.
Orchid	Madeira Islands	3			N. Y.
Palm	Portugal	1			N. Y.
Plant	do	1			Mass.
Protea cynarioides (honeypot protea)	Union of South Africa	1			N. Y.
Protea reflexa	do	1			N. Y.
Protea sp.	do	1			N. Y.
Prunus domestica (plum)	Portugal	1			N. Y.
Rosa sp.	do	1			N. Y.
Saccharum officinarum (sugarcane)	Mexico, Portugal	2			N. Y., Tex.
Soil	Azores, Italy	1		2	Mass., N. Y. Pa.
Strelitzia sp.	Italy	2			N. Y.
Thamnochortus dichotomus	Union of South Africa	1			N. Y.
Tritonia sp.	Portugal			1	N. Y.
Vitis sp. (grape)	Chile, Union of South Africa.	4			N. Y.
Iridomyrmex iniquus Mayr (Formicidae):					
Cattleya spp. (orchid)	Brazil			1	N. J.
Oncidium sp. (orchid)	Guatemala			1	N. J.
Peristeria sp. (orchid)	do			1	N. J.
Iridomyrmex leucomelas Von Ihering (Formicidae):					
Orchid	Brazil			1	P. R.
Jadera sanguinolenta (F.) (Coreidae):					
Automobile	Mexico	1			Tex.
Kalotermes immigrans Snyder (Kalotermitidae):					
Wood	Panama	1			Va.
Kalotermes snyderi Light (Kalotermitidae):					
Cedrus sp. (cedar)	Bermuda	1			Md.
Kleidocerys godmani Dist. (Lygaeidae):					
Orchid	Mexico			1	Tex.
Lampetia equestris (F.) (Syrphidae):					
Allium sativum (garlic)	Chile		1		N. Y.
Brassica rapa (turnip)	Sweden		1		N. Y.
Leucojum vernum (spring snowflake)	Netherlands			1	Mass.
Leucojum sp.	do			1	N. Y.
Muscari comosum (cipollino)	Italy, Morocco	2			N. Y.
Narcissus nanus	Netherlands			2	Mass.
Narcissus triandrus	do			1	Mass.
Narcissus sp.	England, France, Netherlands.			24	Calif.,* Ill., Mass., Mich., Minn., N. J., N. Y., Pa.
Lampides boeticus (L.) (Lycaenidae):					
Canavalia sp.	Hawaii	7			Calif.*

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Laspeyresia splendana (Hbn.) (Olethreutidae):					
Castanea sp. (chestnut)	Azores, England, France, Greece, Italy, Japan, Madeira Islands, Portugal, Spain, Switzerland.	133	1	----	Calif.,* Ill., Mass., N. J., N. Y., Oreg., Pa., Tex., Va.
Mespilus germanica (medlar)	Italy	1	----	----	N. Y.
Laspeyresia strobilella (L.) (Olethreutidae):					
Picea sp. (spruce)	Germany	1	----	----	N. Y.
Lecanium coryli (L.) (Coccidae):					
Sorbus sargentiana (sargent mountain-ash)	England	----	----	1	N. J.
Lechriops psidii Mshll. (Curculionidae):					
Psidium guajava (guava)	Puerto Rico	2	----	----	N. Y., P. R.
Lema bilineata Germ. (Chrysomelidae):					
Airplane	Unknown	----	1	----	P. R.
Leperisinus fraxini (Panz.) (Scolytidae):					
Fraxinus sp. (ash)	England	1	----	----	N. Y.
Lepidosaphes chinensis Chamb. (Coccidae):					
Camellia japonica	Japan	----	----	1	Calif.*
Lepidosaphes conchiformis (Gmel.) (Coccidae):					
Diospyros sp. (persimmon)	Japan	1	----	----	Hawaii.
Malus sylvestris (apple)	Japan, Korea	----	2	----	Calif.,* Wash.
"Lepidosaphes" esakii Takah. (Coccidae):					
Cocos nucifera (coconut)	Guam	1	----	----	Calif.*
Lepidosaphes ficus (Sign.) (Coccidae):					
Ficus carica (fig)	Greece, Italy	----	----	8	N. J., N. Y.
Lepidosaphes japonica Kuw. (Coccidae):					
Abies sp. (fir)	Japan	----	1	----	Wash.
Lepidosaphes newsteadi (Sulc.) (Coccidae):					
Juniperus sp.	Japan	----	----	3	Calif.*
Pinus sp. (pine)	Italy	----	----	1	N. J.
Lepidosaphes pallida (Green) (Coccidae):					
Juniperus sp.	Japan	----	----	3	Wash.
Lepidosaphes philococcus (Ckll.) (Coccidae):					
Cactus	Mexico	----	----	1	Tex.
Opuntia sp. (cactus)	do	----	----	1	Tex.
Lepidosaphes punicae Laing (Coccidae):					
Vanilla sp. (orchid)	Guam	----	----	1	Calif.*
Lepidosaphes tokionis (Kuw.) (Coccidae):					
Codiaeum variegatum (croton)	Costa Rica, Hawaii, Mexico, Netherlands, East Indies, Panama, Philippines.	4	1	7	Calif.,* N. J. Wash.
Lepidosaphes tuberculata Malen. (Coccidae):					
Cymbidium sp. (orchid)	Australia, Belgium, England, India.	1	----	41	Calif.,* Hawaii N. J.
Orchid	Madeira Islands	----	----	1	Mass.
Leptoglossus chilensis Spinola (Coreidae):					
Vitis sp. (grape)	Chile	4	----	----	N. Y.
Leucaspis cockerelli (de Charmoy) (Coccidae):					
Citrus aurantifolia (lime)	Canal Zone, Panama	----	2	----	Calif.*
Citrus paradisi (grapefruit)	Honduras	----	1	----	Calif.*
Citrus sinensis (orange)	Canal Zone	----	3	----	Calif.*
Leucaspis indica Marl. (Coccidae):					
Mangifera indica (mango)	Cuba	----	1	----	Fla.*
Leucaspis loewi Colvee (Coccidae):					
Pinus halepensis (aleppo pine)	Israel	1	----	----	N. Y.
Pinus sp. (pine)	Italy, Norway	3	----	----	N. Y.
Leucaspis riccae Targ. (Coccidae):					
Olea europaea (olive)	Greece	1	----	----	N. Y.
Leucaspis signoreti (Targ.) (Coccidae):					
Pinus nigra poiretiana	Corsica (?)	----	----	1	N. J.
Pinus sp.	France	----	----	1	N. J.
Leucinodes orbonalis Guen. (?) (Pyraustidae):					
Solanum melongena (eggplant)	India	----	1	----	Mass.
Lichtensia lutea (Ckll.) (Coccidae):					
Codiaeum variegatum (croton)	Mexico	----	----	1	Calif.*

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		Consumption	Nonentry	Propagation	
Ligyrocoris abdominalis (G.-M.) (Lygaeidae):					
Bromelia pinguin (?)	Mexico	----	----	1	Tex.
Orchid	do	----	----	3	Tex.
Ligyrocoris aurivilliana (Dist.) (Lygaeidae):					
Agave sp	do	----	----	1	Tex.
Capsicum frutescens grossum (sweetbell red pepper).	do	1	----	----	Ariz.
Cucumis melo cantalupensis (cantaloupe)	do	1	----	----	Ariz.
Lycopersicon esculentum (tomato)	do	5	----	----	Tex.
Orchid	do	----	----	2	Tex.
Ligyrocoris nitidicollis (Stal) (Lygaeidae):					
Cactus	do	----	----	1	Tex.
Mammea americana (mamey)	do	1	----	----	Tex.
Orchid	do	----	----	5	Tex.
Tillandsia sp	do	----	----	1	Tex.
Limothrips cerealium Hal. (Thripidae):					
Avena sativa (oat)	Argentina	1	----	----	Tex.
Lincus rufospilotus (Westw.) (Pentatomidae):					
Cattleya sp. (orchid)	Colombia	----	----	1	N. J.
Lineodes integra (Zell.) (Pyraustidae):					
Lycopersicon esculentum (tomato)	Mexico	4	----	----	Ariz., Calif. Tex.
Lochmaea suturalis (Thoms.) (Chrysomelidae):					
Calluna vulgaris (heather)	Scotland	1	----	----	Ill.
Loxostege helvialis (Wlk.) (Pyraustidae):					
Portulaca sp	Mexico	1	----	----	La.
Loxostege similalis (Guen.) (Pyraustidae):					
Portulaca oleracea (purslane)	do	1	----	----	Tex.
Lygaeus circumplicatus Dist. (Lygaeidae):					
Citrus aurantifolia (sour lime)	do	1	----	----	Tex.
Orchid	do	----	----	1	Tex.
Lygaeus consanguinitus Dist. (Lygaeidae):					
Persea americana (avocado)	do	1	----	----	Tex.
Lygaeus teapensis Dist. (Lygaeidae):					
Gossypium sp. (cotton)	do	1	----	----	Tex.
Lygaeus vittiscutis Stal (Lygaeidae):					
Orchid	do	----	----	2	Tex.
Macropygium reticulare (F.) (Pentatomidae):					
Orchid	do	----	----	1	Ariz.
Macrosiphoniella oblonga (Mordv.) (Aphidae):					
Chrysanthemum sp	Netherlands	1	----	----	N. Y
Mamestra brassicae (L.) (Phalaenidae):					
Brassica oleracea botrytis (cauliflower)	England, France, Netherlands.	----	3	----	N. Y.
Brassica oleracea capitata (cabbage)	France, Italy	----	3	----	N. Y.
Fragaria sp. (strawberry)	Italy	----	----	1	N. Y.
Trifolium repens var. (shamrock)	Ireland	1	----	----	N. Y.
Maruca testulalis (Csy.) (Pyraustidae):					
Cajanus cajan (pigeonpea)	Puerto Rico	16	----	----	Fla.,* P. R., N. Y.
Canavalia sp	Hawaii	4	----	1	Calif.,* Hawaii.
Herb	Puerto Rico	1	----	----	N. Y.
Phaseolus lunatus macrocarpus (lima bean)	Cuba	3	----	----	N. Y.
Phaseolus vulgaris var. (string bean)	Brazil, British Guiana, Hawaii, Puerto Rico, Venezuela.	3	6	----	Ala., Calif.,* Fla.,*Hawaii, N. Y. Pa., P. R.
Megastigmus pistaciae Wlk. (Torymidae):					
Pistacia sp. (pistache)	Syria	1	----	----	Tex.
Megastigmus suspectus Borries (Torymidae):					
Abies cephalonica (Greek fir)	Italy	----	----	1	N. J.
Megophthalmus scanicus (Fall.) (Cicadellidae):					
Trifolium repens var. (shamrock)	Ireland	3	----	----	N. Y.
Melolontha melolontha (L.) (Scarabaeidae):					
Airplane	Unknown	----	1	----	N. Y.
Metamasius sericeus (Oliv.) (Curculionidae):					
Musa paradisiaca sapientum (banana)	Costa Rica, Ecuador, Panama.	15	----	----	Calif.,* La.

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Metamasius sericeus (Oliv.) var. (Curculionidae):					
Musa paradisiaca sapientum (banana)	Colombia, Ecuador, Honduras.	5			N. Y., S. C.
Micrelus ericae Gyll. (Curculionidae):					
Calluna sp.	Scotland	1			N. J.
Microplax interrupta Fieber (Lygaeidae):					
Sedum sp.	Italy			1	N. Y.
Mimosestes dominicanus (Jek.) (Bruchidae):					
Airplane	Mexico		1		Tex.
Caesalpinia coriaria (divi-divi)	Colombia, Dominican Republic, Netherlands West Indies, Trinidad.	5			N. Y.
Mimosestes sallaei (Sharp) (Bruchidae):					
Acacia farnesiana (sweet acacia)	Honduras	1			D. C.
Mitrapsylla albolineata Crawf. (Psyllidae):					
Airplane	Mexico		1		Tex.
Monomorium destructor (Jerd.) (Formicidae):					
Phalaenopsis amabilis (orchid)	Philippines			1	Hawaii.
Saccharum officinarum (sugarcane)	Antigua	1			P. R.
Moodna bisinuella Hamp. (Phycitidae):					
Zea mays (corn)	Mexico	9			Tex.
Mordellistena cattleyana Champ. (Mordellidae):					
Orchid	Brazil, Mexico			2	Fla.
Morganella longispina (Morg.) (Coccidae):					
Citrus paradisi (grapefruit)	Bahamas, Puerto Rico		2		Calif.*, Fla.*
Citrus sinensis (orange)	Bahamas		1		Fla.*
Nerium oleander (oleander)	do		1		Fla.*
Myelobia smerintha (Hbn.) (Galleriidae):					
Bamboo	Mexico	1			Tex.
Myelois ceratoniae Zell. (Phycitidae):					
Ceratonia siliqua (carob)	Yugoslavia	2			Calif.*
Punica granatum (pomegranate)	Italy	3			N. Y.
Myiopardalis pardalina (Big.) (Tephritidae):					
Cucumis melo flexuosus (snake melon)	Lebanon	1			N. Y.
Myrmedobia tenella (Zett.) (Microphysidae):					
Wisteria sp.	Switzerland			2	N. J.
Myzaphis bucktoni Jacob (?) (Aphidae):					
Rosa sp.	Mexico	2			Calif.*, Tex.
Myzus ascalonicus Doncaster (?) (Aphidae):					
Allium ascalonicum (shallot)	England			1	Wash.
Gladiolus sp.	England, Netherlands			2	N. J., N. Y.
Lilium tigrinum (tiger lily)	Netherlands			1	N. J.
Nasutitermes corniger (Motsch.) (Termitidae):					
Swietenia mahagoni (mahogany)	Honduras	1			La.
Nasutitermes nigriceps (Haldeman) (Termitidae):					
Orchid	Guatemala		1		La.
Neoclytus cacicus Chevr. (Cerambycidae):					
Guajacum officinale (lignumvitae)	Guatemala, Nicaragua	4			Calif.*
Wood	Venezuela			2	N. J.
Neodrycoetes caribaeus Blkm. (Scolytidae):					
Vicia faba (broadbean)	Trinidad		1		Tex.
Neoleucinodes elegantalis (Guen.) (Pyraustidae):					
Capsicum frutescens (pepper)	Brazil		1		Tex.
Lycopersicon esculentum (tomato)	Mexico	48			Tex.
Solanum melongena (eggplant)	do	1			Tex.
Neoleucon horribilis Dist. (Miridae):					
Philodendron sp.	do			1	Tex.
Nephotettix apicalis (Motsch.) (Cicadellidae):					
In box with orchid leaves	Siam			1	Hawaii.
Newsteadia floccosa (Deg.) (Coccidae):					
Woods moss	England			1	N. J.
Niphona picticornis Muls. (Cerambycidae):					
Acacia sp.	France	1			Mass.
Nysius coenosulus Stal (Lygaeidae):					
Airplane	Hawaii		1		Hawaii.
Anthurium sp.	do	1			Hawaii.
Vanda sp. (orchid)	do	1			Hawaii.

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Nysius dallasi White (Lygaeidae):					
Airplane	Hawaii		2		Hawaii.
Nysius delectus White (Lygaeidae):					
Airplane	do		1		Hawaii.
Nysius terrestris Usinger (Lygaeidae):					
Airplane	Hawaii, Midway Island		3		Hawaii.
Odonaspis greeni Ckll. (Coccidae):					
Bambusa sp. (bamboo)	Guam			1	Calif.*
Oedionychis decorata (Blanch.) (Chrysomelidae):					
Prunus domestica (plum)	Chile	1			N. Y.
Oedopeza pogonocheroides Serv. (Cerambycidae):					
Samanea saman (raintree saman)	Brazil	1			N. Y.
Ogdoecosta biannularis (Boh.) (Chrysomelidae):					
Bromeliad	Mexico			1	Tex.
Orchid	Guatemala			1	Tex.
Orthezia praelonga Dougl. (Coccidae):					
Casuarina sp. (Australian pine)	Aruba	1			N. Y.
Codiaeum sp. (croton)	do	1			N. Y.
Ortheziola signoreti (Haller) (Coccidae):					
Woods moss	France			1	N. J.
Orthochaetes setiger (Beck.) (Curculionidae):					
Lilium sp. (lily)	England			1	Ill.
Orthotomicus erosus (Woll.) (Scolytidae):					
Pinus sp. (pine)	Portugal	1			La.
Orthotomicus laricis (F.) (Scolytidae):					
Pinus sp	do	1			La.
Ozycarenus hyalinipennis (Costa) (Lygaeidae):					
Gossypium sp. (cotton; boll)	Gold Coast			1	D. C.
Ozycarenus laetus Kirby (Lygaeidae):					
Gossypium sp. (cotton; lint)	India			1	D. C.
Oxycetonia jucunda (Fald.) (Scarabaeidae):					
Soil around dwarf quince tree	Japan		1		Wash.
Oxydema longulum (Boh.) (Curculionidae):					
Heliconia sp	Hawaii	1			Hawaii.
Ozineus prolixus Melzer (Cerambycidae):					
Stem	Brazil			1	N. Y.
Ozophora consanguineus (Dist.) (Lygaeidae):					
Orchid	Mexico			1	Tex.
Pachybrachius nietneri (Dohrn) (Lygaeidae):					
Litchi chinensis (lychee)	Philippines	1			Hawaii.
Vanda sp. (orchid)	do			1	Hawaii.
Pachybrachius nigriceps (Dallas) (Lygaeidae):					
Vanda denisoniana (orchid)	Siam			1	Calif.*
Pachyzancla bipunctalis (F.) (Pyraustidae):					
Centaurea cyanus (bachelors-button)	Mexico	1			Tex.
Gomphrena dispersa	Puerto Rico	1			P. R.
Pachyzancla periusalis (Wlk.) (Pyraustidae):					
Weed	do	1			N. Y.
Palaeopus costicollis Mshll. (Curculionidae):					
Dioscorea sp. (yam)	Jamaica	1			N. Y.
Zingiber officinale (ginger)	do	1			N. Y.
Pantomorus godmani (Crotch) (Curculionidae):					
Airplane	Philippines		1		Hawaii.
Portulaca oleracea (purslane)	Mexico	1			Tex.
Paraleyrodes citricolus Costa Lima (Aleyrodidae):					
Citrus aurantium (sour orange)	Colombia	1			N. Y.
Gardenia augusta (gardenia)	Mexico	1			Tex.
Paraleyrodes goyabae (Goeldi) (?) (Aleyrodidae):					
Psidium guajava (guava)	do	1			Ariz.
Parallelodiplosis cattleyae (Moll.) (Itonididae):					
Cattleya skinneri (orchid)	Canal Zone			1	N. J.
Orchid	Cuba			2	Fla.
Parlatoria camelliae Comst. (Coccidae):					
Camellia japonica (camellia)	Japan, Mexico	1		2	Calif.*, Hawaii, Tex.
Camellia sp	China, Japan, New Zealand			11	Calif.*

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Parlatoria cinerea Hadden (Coccidae):					
Citrus aurantifolia (sour lime)	Brazil, Mexico	----	5	----	Calif.*
Citrus limon (lemon)	Brazil	----	3	----	Calif.*
Citrus paradisi (grapefruit)	Argentina, Brazil, Cuba	----	4	----	Calif.*, Fla.*
Citrus sinensis (orange)	Argentina, Brazil, Mexico, Spain.	----	14	----	Calif.*, Fla.*
Parlatoria crotonis Dougl. (Coccidae):					
Codiaeum variegatum (croton)	Cuba, Hawaii	----	----	2	Calif.*, Va.
Parlatoria morrisoni McKenzie (Coccidae):					
Mangifera indica (mango)	India	----	1	----	N. Y.
Nerium oleander (oleander)	Saudi Arabia	1	----	----	N. Y.
Parlatoria oleae (Colvee) (Coccidae):					
Cydonia oblonga (quince)	Italy	2	----	----	N. Y.
Diospyros sp. (persimmon)	do	4	----	----	N. Y.
Ficus carica (fig)	do	----	----	2	N. J., N. Y.
Malus sylvestris (apple)	Greece, Italy, Lebanon	8	1	----	N. Y.
Olea europaea (olive)	Greece	1	----	----	N. Y.
Pyrus communis (pear)	England, Italy, Spain	1	3	1	Fla.*, N. Y.
Rosa sp.	Greece	----	----	2	N. J.
Vitis sp. (grape)	Italy	----	----	1	N. Y.
Parlatoria pseudaspidiotus (Ldgr.) (Coccidae):					
Aerides quinquevulnera (orchid)	Philippines	----	----	1	Calif.*
Dendrobium infundibulum (orchid)	Siam	----	----	1	Calif.*
Orchid	Trinidad	----	----	1	Fla.
Vanda teres (orchid)	Batavia, Guam	----	----	2	Calif.*, N. J.
Vanda sp. (orchid)	Hawaii, Philippines	----	----	5	Calif.*, Hawaii.
Parlatoria theae Ckll (Coccidae):					
Acer sp. (maple)	Japan	----	----	1	Calif.*
Euonymus sp.	do	----	----	1	Calif.*
Punica sp.	do	----	----	1	Calif.*
Parlatoria zizyphus (Lucas) (Coccidae):					
Citrus aurantifolia (sour lime)	China	----	1	----	Calif.*
Citrus limon (lemon)	Italy	2	11	----	Calif.*, Pa.
Citrus paradisi (grapefruit)	Egypt	----	1	----	Pa.
Citrus reticulata (Mandarin orange)	China, Philippines, Saudi Arabia.	3	1	----	Calif.*, Minn., N. Y.
Citrus sinensis (orange)	Algeria, China, Italy	1	3	----	Calif.*, Hawaii, Pa.
Citrus sp.	China, Italy	2	----	----	Fla.*, N. Y.
Paromius gracilis (Rambur) (Lygaeidae):					
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa	1	----	----	N. Y.
Pectinophora gossypiella (Saund.) (Gelechiidae):					
Gossypium sp. (cottonseed)	Antigua, Egypt, Hawaii, India, Japan, Lebanon, Mexico, Puerto Rico, Siam, Syria	16	9	4	Calif.,* D. C., Hawaii, N. Y., Pa., P. R., Tex., Va.
Gossypium sp. (seed cotton)	Hawaii, Mexico, Puerto Rico, Philippines	9	2	1	Hawaii, P. R., Tex.
Gossypium sp. (cotton; boll)	Gold Coast, Hawaii, Venezuela, Virgin Islands.	2	----	2	Calif.*, D. C., N. Y.
Hibiscus esculentus (okra)	Brazil, Dominican Republic, India, Puerto Rico	1	4	1	Ala., D. C., N. Y., Pa., P. R.
Penichora fasciata Steph. (Cerambycidae):					
Allium sativum (garlic)	Italy	1	----	----	N. Y.
Perkinsiella saccharicida Kirk. (Delphacidae):					
Airplane	Hawaii	----	1	----	Hawaii.
Perkinsiella vastatrix Bredd. (Delphacidae):					
Airplane	South Pacific	1	----	----	Hawaii.
Phalonia zephyrana (Trcit.) (Phaloniidae):					
Daucus carota (carrot)	France, French West Africa, Germany, Italy	1	4	----	Md., N. Y.
Phatnoma annulipes concisa Drake (Tingidae):					
Orchid	Mexico	----	----	2	Tex.

List of pests (insects) collected and reported from July 1, 1949, to June 30, 1950, inclusive—Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Pheidole megacephala (F.) (Formicidae):					
Ananas comosus (pineapple)	Cuba	2			N. Y.
Dioscorea sp. (yam)	St. Kitts	1			Mass.
Gladiolus sp	Argentina	1			N. Y.
Hibiscus sp	Bermuda	2			N. Y.
Lilium sp. (lily)	do	1			N. Y.
Nerium oleander (oleander)	do	1			N. Y.
Soil with potted plants	Honduras		1		Ala.
Phelomerus aberrans (Sharp) (Bruchidae):					
Cassia sp	Canal Zone, Honduras	3			La.
Phenacaspis aucubae (Cooley) (Coccidae):					
Ilex sp	Japan			1	Wash.
Phenacaspis sandwicensis Fullaway (Coccidae):					
Araceae	Hawaii			1	Calif.*
Cocos nucifera (coconut)	do	1			Calif.*
Nerium sp	do	1			Calif.*
Strelitzia reginae (bird-of-paradise-flower)	do	1			Calif.*
Phenacoccus azaleae Kuw. (Coccidae):					
Rhododendron sp	Japan			1	Hawaii.
Phenacoccus madeirensis Green (Coccidae):					
Mentha sp. (mint)	Madeira Islands	1			Mass.
Ruta sp	do	2			Mass.
Phloeotribus scarabaeoides (Bern.) (Scolytidae):					
Olea europaea (olive)	Italy			2	N. J., N. Y.
Phlyctinus callosus Boh. (Curculionidae):					
Vitis sp. (grape)	Union of South Africa	1			N. Y.
Phyllotreta atra (F.) (Chrysomelidae):					
Brassica oleracea capitata (cabbage)	Italy		1		N. Y.
Phyllotreta cruciferae (Goeze) (Chrysomelidae):					
Brassica oleracea capitata (cabbage)	do		1		N. Y.
Physonota disjuncta (Chev.) (Chrysomelidae):					
Orchid	Mexico			1	Ariz.
Physorrhinus distigma Cand. (Elateridae):					
Orchid	do			1	Tex.
Pieris brassicae (L.) (Pieridae):					
Brassica oleracea botrytis (cauliflower)	Italy		1		N. Y.
Brassica oleracea capitata (cabbage)	France, Portugal		2		Pa.
Foeniculum vulgare (fennel)	Italy			1	N. Y.
Pinnaspis buxi (Bouche) (Coccidae):					
Arecastrum romanzoffianum (queenpalm)	Brazil			1	D. C.
Bromeliad	Canal Zone			1	Calif.*
Cocos nucifera (coconut)	Panama	2			Calif.*
Dendrobium gracilicaule (orchid)	Australia			1	Calif.*
Howea sp. (palm)	Panama			1	N. J.
Monstera sp	Antigua			1	Fla.
Philodendron sp	Brazil, Hawaii	3		4	Calif.,* Tex.
Pinnaspis uniloba (Kuw.) (Coccidae):					
Alyxia olivaeformis (maile alyxia)	Hawaii	5			Calif.*
Pityogenes bidentatus (Hbst.) (Scolytidae):					
Pinus sp. (pine)	Germany, Netherlands, Poland	3			Ala., Tex.
Wood	Netherlands	1			Calif.*
Pityogenes chalcographus (L.) (Scolytidae):					
Picea sp. (spruce)	Norway, Sweden	7			N. Y.
Pinus sp. (pine)	Belgium, Germany, Netherlands, Norway, Sweden	8			Ala., Ill., La., N. Y., Tex.
Wooden crate	Sweden	3			Calif.,* N. Y.
Plagiodera semivittata Stal (Chrysomelidae):					
Bromelia pinguin (?)	Mexico			1	Tex.
Orchid	do			2	Tex.
Plagiodera thymaloides Stal (Chrysomelidae):					
Cactus	do			1	Tex.
Orchid	do			6	Tex.
Plagiognathus arbustorum (F.) (Miridae):					
Rosa sp. (rose)	Sweden	1			N. Y.

List of pests (insects) collected and reported from July 1, 1949, to June 30, 1950, inclusive—Continued

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Platynota rostrana (Wlk.) (Tortricidae):					
Ananas comosus (pineapple)	Cuba, Mexico	2			N. Y., Tex.
Capsicum frutescens grossum (sweetbell red-pepper).	Mexico	1			Calif.*
Gardenia augusta (gardenia)	do	1			Tex.
Lycopersicon esculentum (tomato)	do	4			Tex.
Rosa sp. (rose)	do	1			Tex.
Sechium edule (chayote)	Puerto Rico	1			N. Y.
Platypus rugulosus Chap. (Platypodidae):					
Ananus comosus (pineapple)	Mexico	1			Tex.
Cedrela mexicana (?)	Costa Rica	1			La.
Copaifera hemitomophylla (cativo)	do	4			S. C.
Cybistax donnell-smithi (primavera)	Guatemala	1			La.
Dalbergia sp. (rosewood)	Brazil	1			N. Y.
Persea americana (avocado)	Mexico	1			Tex.
Platysaissetia castilloae (Ckll.) (Coccidae):					
Hibiscus sp	do			1	Ariz.
Plinthisus brevipennis (Latr.) (Lygaeidae):					
Moss and soil packing	Italy	1			N. Y.
Plinthisus minutissimus Fieber (Lygaeidae):					
Packing	do			1	Ill.
Podagrica malvae (Ill.) (Chrysomelidae):					
Lilium candidum (Madonna lily)	France			1	N. J.
Pogonocherus fasciculatus Deg. (Cerambycidae):					
Picea sp. (spruce)	Finland	1			N. Y.
"Poliaspis" pini (Mask.) (Coccidae):					
Pinus sp. (2-leaved pine)	Japan	2		3	Oreg., Wash.
Pollinia pollini (Costa) (Coccidae):					
Olea europaea (olive)	France			1	N. J.
Polychrosis botrana (Schiff.) (Olethreutidae):					
Vitis sp. (grape)	Lebanon	1			N. Y.
Polygraphus poligraphus (L.) (Scolytidae):					
Pinus sp. (pine)	Germany	1			Ala.
Prays endocarpa (Meyr.) (Hyponomeutidae):					
Citrus grandis (pummelo)	Philippines		1		Calif.*
Prays oleellus (F.) (Hyponomeutidae):					
Olea europaea (olive)	Italy	5			Ill., N. Y., Pa.
Protopulvinaria longivalvata (Green) (Coccidae):					
Cattleya mossiae (orchid)	Venezuela			1	Calif.*
Gardenia augusta (gardenia)	Cuba, Puerto Rico, Trinidad, Venezuela.	7	2		Ala., Fla.,* N.Y., P. R.
Protopulvinaria pyriformis (Ckll.) (Coccidae):					
Philodendron sp	Venezuela			1	Fla.
Pseudaonidia tesserata (de Charm.) (Coccidae):					
Catasetum sp. (orchid)	Panama			2	N. J.
Orchid	Colombia			1	Tex.
Pseudaonidia trilobitiformis (Green) (Coccidae):					
Citrus aurantifolia (lime)	Argentina		1		P. R.
Citrus limon (lemon)	Brazil		2		Calif.*
Mangifera indica (mango)	Belgian Congo	1			N. Y.
Spondias cytherea (vi-apple)	Unknown	1			Fla.*
Zizyphus jujuba (jujube)	Trinidad	1			N. Y.
Pseudischnaspis alienus (Newst.) (Coccidae):					
Cattleya percivaliana (orchid)	Venezuela			1	Calif.*
Epidendrum sp. (orchid)	Guatemala			1	Tex.
Laelia autumnalis (orchid)	Mexico			1	Calif.*
Odontoglossum citrosmum (orchid)	do			1	Calif.*
Orchid	Canal Zone, Costa Rica, Guatemala, Venezuela.			8	Fla., N. J.
Pseudococcus boninsis (Kuw.) (Coccidae):					
Saccharum officinarum (sugarcane)	Bermuda	1			Mass.
Pseudococcus palmarum (Ehrh.) (Coccidae):					
Cocos nucifera (coconut)	Guam, Hawaii, Philippines.	8	2	3	Calif.*
Pseudococcus pandani (Ckll.) (Coccidae):					
Pandanus sp	Kwajalein			1	Hawaii.

List of pests (insects) collected and reported from July 1, 1949, to June 30, 1950, inclusive—Continued

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Pseudococcus pini Kuw. (Coccidae):					
Pinus parviflora (Japanese white pine)	Japan		1		Pa.
Pinus sp. (two-leaved pine)	do			2	Wash.
Pinus sp	do			1	Wash.
Pseudococcus probrevipes Morr. (Coccidae):					
Heliconia sp	Canal Zone			1	Fla.
Pseudoparlatoria ostreata (Ckll.) (Coccidae):					
Camellia japonica (camellia)	Colombia	1			Fla.*
Carica papaya (papaya)	Cuba	1			Fla.*
Oncidium cavendishianum (orchid)	Guatemala			1	Calif.*
Orchid	Cuba			1	Fla.
Pseudoparlatoria serratulae Towns. & Ckll. (Coccidae):					
Oncidium sp. (orchid)	Mexico			1	Tex.
Orchid	do			1	Tex.
Psylla rhododendri Puton (Psyllidae):					
Rhododendron sp	Switzerland			1	N. J.
Psylla uncata Ferris & Klyver (Psyllidae):					
Acacia sp	Australia			1	Hawaii.
Psylliodes chrysocephala (L.) (Chrysomelidae):					
Brassica oleracea capitata (cabbage)	England		1		Tex.
Brassica rapa (turnip)	Italy		1		N. Y.
Ptosima undecimmaculata Hbst. (Buprestidae):					
Cynara scolymus (globe artichoke)	do			1	N. Y.
Pulvinaria psidii Mask. (Coccidae):					
Bryophyllum sp	Bermuda			1	N. Y.
Campsis radicans (trumpet creeper)	do	1			N. Y.
Gardenia augusta (gardenia)	Hawaii, Mexico, Trinidad	1		2	Ala., Ariz., Calif.*
Pittosporum sp	Bermuda	1			N. Y.
Pulvinaria tyleri Ckll. (Coccidae):					
Flowers	Philippines	1			Calif.*
Pulvinaria urbicola (Ckll.) (Coccidae):					
Capsicum frutescens (pepper)	West Indies	1			N. Y.
Puto mexicanus (Ckll.) (Coccidae):					
Orchid	Mexico			1	Ariz.
Pyrausta nubilalis (Hbn.) (Pyraustidae):					
Sorghum vulgare technicum (broomcorn)	France, Italy, Switzerland.	3	1		N. Y., Pa.
Pyrrhocoris apterus (L.) (Pyrrhocoridae):					
Allium cepa (onion)	Italy	1			Mass.
Reticulitermes speratus (Kolbe) (Rhinotermitidae):					
Rhododendron sp	Japan			1	Hawaii.
Rhagoletis alternata (Fall.) (Tephritidae):					
Rosa sp	Unknown		1		N. Y.
Rhagoletis alternata (Fall.) (?) (Tephritidae):					
Rosa sp	Netherlands			1	N. J.
Rhagoletis cerasi (L.) (Tephritidae):					
Prunus sp. (cherry)	France, Germany, Italy, Spain, Switzerland.	14	12		Mass., N. Y
Rhagoletis cerasi (L.) (?) (Tephritidae):					
Prunus sp. (cherry)	Greece, Sweden	1	1		N. Y.
Rhagoletis pomonella (Walsh) (Tephritidae):					
Malus sylvestris (apple)	Mexico	11	1		Tex.
Rhagoletis striatella Wulp (Tephritidae):					
Physalis sp. (husk tomato)	do	1			Tex.
Rhinacloa subpallicornis Knight (Miridae):					
Citrus medica (citron)	Bermuda	1			N. Y.
Gladiolus sp	Argentina	1			N. Y.
Lantana sp	Bermuda	1			N. Y.
Rhiobia praeceps Bergroth (Lygaeidae):					
Cryptomeria sp	Japan			1	Wash.
Rhopalophora incrustata Chevr. (Cerambycidae):					
Chrysanthemum maximum (shasta daisy)	Mexico	1			Tex.

List of pests (insects) collected and exported from July 1, 1949, to June 30, 1950, inclusive—Continued

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Rhopalosiphoninus tulipaellus (Theob.) (Aphidae):					
Apium graveolens (celery)	Netherlands		1		Tex.
Beta vulgaris macrorhiza (mangel-wurzel)	England		1		N. Y.
Gladiolus sp.	do			2	Ill., N. J.
Raphanus sativus (radish)	Netherlands		1		Pa.
Tulipa sp. (tulip)	do	1		2	La., N. J., N. Y.
Rhyparochromus chiragra (F.) (Lygaeidae):					
Sphagnum moss packing	Germany			1	N. Y.
Ribua innoxia Hein. (Phycitidae):					
Ananas comosus (pineapple)	Cuba	40			La., N. Y.
Scolopostethus decoratus (Hahn) (Lygaeidae):					
Soil with plants	Netherlands			1	N. Y.
Sehirus biguttatus (L.) (Pentatomidae):					
Forest litter	Sweden			1	N. Y.
Selenothrips rubrocinctus (Giard) (Thripidae):					
Rosa sp.	Unknown		1		Tex.
Serica brunnea (L.) (Scarabaeidae):					
Soil with plants	Netherlands			1	N. Y.
Serica brunnea (L.) (?) (Scarabaeidae):					
Soil with *Delphinium* sp. plant	Sweden			1	N. Y.
Sesamia cretica (Led.) (Phalaenidae):					
Zea mays (corn)	Italy	1			N. Y.
Sesamia vuteria (Stoll) (Phalaenidae):					
Malus sylvestris (apple)	do	1			N. Y.
Opuntia compressa (pricklypear)	do	1			N. Y.
Sinoxylon anale Lesne (Bostrichidae):					
Wood	India	4			N. Y., Va.
Sinoxylon conigerum Gerst. (Bostrichidae):					
Wood	Hawaii, India	2			Calif.,* Mass.
Sinoxylon sexdentatum (Oliv.) (Bostrichidae):					
Wooden staves	Portugal	1			Va.
Siphoninus phyllireae (Hal.) (Aleyrodidae):					
Punica granatum (pomegranate)	Greece			1	N. J.
Sisamnes contractus Dist. (Lygaeidae):					
Ananas comosus (pineapple)	Mexico	1			Tex.
Sitona lineata (L.) (Curculionidae):					
Airplane	British Columbia, Canada.		5		Wash.
Sixeonotus luteiceps Reuter (Miridae):					
Cactus	Mexico			1	Tex.
Mammillaria neumanniana (cactus)	do			1	Tex.
Mammillaria woodsii	do			1	N. J.
Mammillaria sp.	do			3	Tex.
Plant	do			1	Tex.
Sparteus villosus (F.) (*Bruchidae*):					
Cytisus scoparius (Scotch broom)	Italy			1	N. J.
Cytisus sp.	Belgium, Denmark			3	N. J., Pa., Tex.
Laburnum alpinum (Scotch laburnum)	Italy			1	N. Y.
Mathiola incana	do			1	Mass.
Spartium junceum (weavers-broom)	do			1	N. J.
Sphenarches caffer (Zell.) (Pterophoridae):					
Cajanus cajan (pigeonpea)	Puerto Rico	5			N. Y., P. R.
Spintherus leguminum (Ratz.) (Pteromalidae):					
Vicia sativa (vetch)	Germany	1			Pa.
Stenoma anonella Sepp. (Stenomidae):					
Annona muricata (soursop)	Panama	2			N. Y.
Annona reticulata (custard-apple)	Mexico		1		Fla.*
Stenoma catenifer Wlsm. (Stenomidae):					
Persea americana (avocado)	Brazil, Canal Zone, Colombia, Costa Rica, Ecuador, Honduras, Mexico, Nicaragua, Panama, Peru, Salvador, unknown.	27	10	1	Ala. Calif.,* La., N. Y., P. R., Tex., Va.
Persea sp.	Colombia		1		Calif.*
Stenoscelis hylastoides Woll. (Curculionidae):					
Vitis sp. (grape)	Union of South Africa	1			N. Y.

List of pests (insects) collected and reported from July 1, 1949, to June 30, 1950, inclusive—Continued

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Stenygrinum quadrinotatum Bates (Cerambycidae):					
Quercus sp. (acorn)	India (?)	1			N. Y.
Stephanitis pyri (F.) (Tingidae):					
Cotoneaster sp	Greece			1	N. J.
Cydonia oblonga (quince)	Italy	1			N. Y.
Stephanoderes buscki Hopk. (Scolytidae):					
Caesalpinia pulcherrima (Barbados pride)	Canal Zone			2	Tex.
Dioscorea sp. (yam)	Barbados	1			Mass.
Murraya sp	Canal Zone			2	Tex.
Stephanoderes depressus Eichh. (Scolytidae):					
Cajanus cajan (pigeonpea)	Puerto Rico	1			P. R.
Stephanoderes hampei (Ferr.) (Scolytidae):					
Coffea sp. (coffee)	Angola, Brazil, Netherlands East Indies, South America.	3	1	1	Ill., N. Y., Tex.
Stephanoderes lecontei Hopk. (Scolytidae):					
Karwinskia humboldtiana	Mexico	1			Tex.
Sybra alternans Wied. (Cerambycidae):					
With ginger and bird-of-paradise-flower cuttings.	Hawaii	1			Hawaii.
Syritta oceanica Macq. (Syrphidae):					
Cocos nucifera (coconut)	do	1			Hawaii.
Taeniothrips atratus (Hal.) (Thripidae):					
Calluna vulgaris (heather)	Scotland	1			D. C.
Dianthus sp. (carnation)	Germany	2			N. Y.
Gladiolus sp	Denmark	1			N. Y.
Ipomoea batatas (sweetpotato)	Scotland		1		Ill.
Lathyrus odoratus (sweet pea)	Sweden	1			N. Y.
Taeniothrips ericae (Hal.) (Thripidae):					
Calluna vulgaris (heather)	Scotland	2			D. C., Pa.
Taeniothrips hawaiiensis (Morg.) (Thripidae):					
Alyxia olivaeformis (maile alyxia)	Hawaii	1			Calif.*
Canavalia sp	do	1			Calif.*
Dianthus sp. (carnation)	China, Hawaii	3			Calif.,* Hawaii.
Hibiscus sp	Hawaii	1			Hawaii.
Jasminum sambac (Arabian jasmine)	do	1			Hawaii.
Strelitzia reginae (bird-of-paradise-flower)	do	1			Calif.*
Talponia batesi Hein. (Olethreutidae):					
Annona cherimola (cherimoya)	Mexico	5			Tex.
Tanymecus confusus Say (Curculionidae):					
Gladiolus sp	do	1			Tex.
"*Targionia*" *bromiliae* (Leon.) (Coccidae):					
Ananas comosus (pineapple)	Azores, Mexico	25			Calif.,* N. Y., Tex.
"*Targionia*" *hartii* (Ckll.) (Coccidae):					
Dioscorea sp. (yam)	Barbados, Canal Zone, Cuba, Nevis, St. Kitts.	12	2		Fla.,* Mass., N. Y.
"*Targionia*" *sacchari* (Ckll.) (Coccidae):					
Grass	Guam, Puerto Rico	1		1	Calif.,* D. C.
Paspalum sp	Nigeria			1	D. C.
Saccharum officinarum (sugarcane)	Haiti, Honduras, Mexico	2	1		Fla.,* N. Y., Tex.
Tarsonemus laticeps Halb. (Tarsonemidae):					
Narcissus sp	England, Netherlands			2	N. J.
Tenthecoris angustimarginatus Hsiao & Sailer (Miridae):					
Orchid	Mexico			16	Tex.
Tenthecoris bicolor Scott (Miridae):					
Orchid	do			4	Tex.
Tenthecoris confusus Hsiao & Sailer (Miridae):					
Orchid	do			10	Tex.
Tenthecoris distinguendus Hsiao & Sailer (Miridae):					
Epidendrum sp. (orchid)	Canal Zone			1	Fla.
Orchid	do			2	Fla.
Tenthecoris orchidearum Reuter (Miridae):					
Cattleya sp. (orchid)	Brazil			1	Calif.*

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Tenthecoris venezuelensis Hsiao & Sailer (Miridae):					
Cattleya sp. (orchid)	Colombia			1	N. J.
Oncidium sp. (orchid)	Venezuela			1	N. J.
Tetraleurodes acaciae (Q.) (Aleyrodidae):					
Bauhinia sp	Mexico			1	Tex.
Cassia fistula (golden-shower)	Nicaragua			1	Calif.*
Karwinskia humboldtiana	Mexico	1			Tex.
Leaf	Guatemala, Mexico	4			Tex.
Pithecellobium dulce (guamuchil)	Mexico	1			Ariz.
Tetraleurodes fici Q. & B. (Aleyrodidae):					
Xylosma sp	do			1	Tex.
Tetraleurodes quadratus Sampson & Drews (Aleyrodidae):					
Rosa sp. (rose)	do	1			Tex.
Tetraleurodes ursorum (Ckll.) (Aleyrodidae):					
Leaf	do	1			Tex.
Unknown	Costa Rica			1	Tex.
Tetropium fuscum (F.) (Cerambycidae):					
Picea sp. (spruce)	Norway	1			N. Y.
Thrips angusticeps Uzel (Thripidae):					
Anemone sp	Netherlands	1			N. Y.
Chrysanthemum sp	England	1			N. Y.
Dianthus sp. (carnation)	Czechoslovakia, Germany, Italy.	3			N. Y.
Flowers	England		1		Ill.
Lathyrus odoratus (sweet pea)	Sweden	1			N. Y.
Mimosa sp	Italy	1			N. Y.
Rosa sp	Czechoslovakia, Germany, Norway.	2	1		N. Y.
Trifolium repens var. (shamrock)	Ireland, North Ireland	1		1	N. Y.
Thrips flavus Schr. (Thripidae):					
Bellis perennis (English daisy)	Czechoslovakia	1			N. Y.
Chrysanthemum sp	Unknown	1			N. Y.
Zantedeschia aethiopica (callalily)	Mexico	1			Tex.
Toxotrypana curvicauda Gerst. (Tephritidae):					
Carica papaya (papaya)	do	1			Tex.
Trialeurodes lauri (Sign.) (Aleyrodidae):					
Laurus nobilis (Grecian laurel)	Italy		1		N. Y.
Laurus sp	do			1	N. Y.
Trialeurodes multipori Russell (Aleyrodidae):					
Quercus sp. (oak)	Mexico	1			Ariz.
Trialeurodes oblongifoliae Russell (Aleyrodidae):					
Quercus sp. (oak)	do	1			Ariz.
Trialeurodes vitrinellus (Ckll.) (Aleyrodidae):					
Citrus sinensis (orange)	do	1			Tex.
Citrus sp	do	1			Tex.
Trionymus peregrinus (Green) (Coccidae):					
Amaryllis sp	Netherlands			1	N. J.
Trionymus sacchari (Ckll.) (Coccidae):					
Saccharum officinarum (sugarcane)	Philippines		1		Calif.*
Trioza urticae (L.) (Psyllidae):					
Brassica oleracea botrytis (cauliflower)	Netherlands		1		Ala.
Tubifera arvorum (F.) (Syrphidae):					
Airplane	Hawaii		3		Hawaii.
Ulopa reticulata (F.) (Cicadellidae):					
Calluna vulgaris (heather)	Scotland			1	N. Y.
Unaspis citri (Comst.) (Coccidae):					
Citrus paradisi (grapefruit)	British West Indies, Jamaica, Mexico, Puerto Rico.	1	3		Calif.,* N. Y.
Citrus sinensis (orange)	Argentina, Brazil		2		Fla.*
Unaspis euonymi (Comst.) (Coccidae):					
Euonymus sp	Japan			1	Calif.*

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Unaspis yanonensis (Kuw.) (Coccidae):					
Citrus limon (lemon)	Japan		2		Calif.*
Citrus paradisi (grapefruit)	do		1		Calif.*
Citrus reticulata (Mandarin orange)	do	2	1		Calif.*
Citrus sinensis (orange)	do		5		Calif.*
Citrus sp.	do		1		Wash.
Valtissus diversus (Dist.) (Lygaeidae):					
Lycopersicon esculentum (tomato)	Mexico	1			Ariz.
Vesiculaphis caracis (Full.) (Aphidae):					
Rhododendron sp.	Japan			3	Hawaii, Wash.
Vinsonia stellifera (Westw.) (Coccidae):					
Broughtonia sp.	Jamaica			1	Fla.
Cattleya sp. (orchid)	Puerto Rico			1	N. J.
Cycnoches chlorochilon (orchid)	Canal Zone			1	Fla.
Orchid	American Virgin Islands, Brazil, British West Indies, Canal Zone, Cuba, Honduras, Jamaica, Trinidad, Venezuela.			21	Fla., Mass., N. J., Tex.
Stanhopea bucephalus (orchid)	Venezuela			1	Calif.*
Stanhopea sp.	do			1	N. J.
Vanilla sp. (orchid)	Dominica			1	N. J.
Xylobiops texanus (Horn) (Bostrichidae):					
Prosopis sp. (mesquite)	Mexico	1			Tex.
Xystrocera globosa (Oliv.) (Cerambycidae):					
Cassia sp. (monkey pod tree)	Hawaii	1			Hawaii.
Zonosemata electa (Say) (Tephritidae):					
Solanum elaeagnifolium (silverleaf nightshade).	Mexico	1			Tex.

Hosts and insects

ABIES:
Aspidiotus cryptomeriae (Homoptera)
Chrysomphalus nigropunctatus (Homoptera)
Lepidosaphes japonica (Homoptera)
Megastigmus suspectus (Hymenoptera)
ACACIA:
Acanthoscelides spinipes (Coleoptera)
Bruchidius aurivillii (Coleoptera)
Caryedon fuscus (Coleoptera)
Chrysomphalus odontoglossi (Homoptera)
Mimosestes sallaei (Coleoptera)
Niphona picticornis (Coleoptera)
Psylla uncata (Homoptera)
ACER:
Parlatoria theae (Homoptera)
AERIDES:
Parlatoria pseudaspidiotus (Homoptera)
AGAVE:
Ligyrocoris aurivilliana (Hemiptera)
AGLAONEMA:
Coptotermes formosanus (Isoptera)
ALAFIA:
"Chionaspis" funtumiae (Homoptera)
ALBIZZIA:
Caryedon fuscus (Coleoptera)
ALLIUM ASCALONICUM:
Myzus ascalonicus (Homoptera)
ALLIUM CEPA:
Pyrrhocoris apterus (Hemiptera)
ALLIUM PORRUM:
Acrolepia assectella (Lepidoptera)
ALLIUM SATIVUM:
Aglossa cuprealis (Lepidoptera)
ALLIUM SATIVUM—Continued
Brachycerus albidentatus (Coleoptera)
Brachycerus algirus (Coleoptera)
Dyspessa ulula (Lepidoptera)
Lampetia equestris (Diptera)
Penichora fasciata (Coleoptera)
ALOE:
"Chionaspis" exalbida (Homoptera)
ALPINIA:
Coccus viridis (Homoptera)
ALYXIA:
Pinnaspis uniloba (Homoptera)
Taeniothrips hawaiiensis (Thysanoptera)
AMARYLLIS:
Trionymus peregrinus (Homoptera)
ANANAS:
Alpheias conspirata (Lepidoptera)
Exptochiomera albomaculata (Hemiptera)
Genopaschia protomis (?) (Lepidoptera)
Pheidole megacephala (Hymenoptera)
Platynota rostrana (Lepidoptera)
Platypus rugulosus (Coleoptera)
Ribua innoxia (Lepidoptera)
Sisamnes contractus (Hemiptera)
"Targionia" bromiliae (Homoptera)
ANEMONE:
Haplothrips gowdeyi (Thysanoptera)
Thrips angusticeps (Thysanoptera)
ANNONA:
Aspidiotus destructor (Homoptera)
Ceratitis capitata (Diptera)
Stenoma anonella (Lepidoptera)
Talponia batesi (Lepidoptera)

Hosts and insects—Continued

ANTHURIUM:
Ceroplastes rubens (Homoptera)
Nysius coenosulus (Hemiptera)
ANTIRRHINUM:
Anuraphis helichrysi (Homoptera)
Dicyphus errans (Hemiptera)
Frankliniella insularis (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
APHELANDRA:
Aleurotrachelus trachoides (Homoptera)
APIUM:
Rhopalosiphoninus tulipaellus (Homoptera)
ARACEAE:
Phenacaspis sandwicensis (Homoptera)
ARACHIS:
Caryedon fuscus (Coleoptera)
ARECA:
Aspidiotus spinosus (Homoptera)
ARECASTRUM:
Pinnaspis buxi (Homoptera)
ARMERIA:
Haplothrips gowdeyi (Thysanoptera)
ASTER:
Haplothrips gowdeyi (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
ASTROCARYUM:
Aspidiotus spinosus (Homoptera)
AVENA:
Diabrotica speciosa (Coleoptera)
Limothrips cerealium (Thysanoptera)
BAMBOO:
Acanthoscelides armitagei (Coleoptera)
Asterolecanium bambusae (Homoptera)
Chionaspis elongata (Homoptera)
Cryptotermes brevis (Isoptera)
Dinoderus brevis (Coleoptera)
Myelobia smerintha (Lepidoptera)
BAMBUSA:
Odonaspis greeni (Homoptera)
BAUHINIA:
Tetraleurodes acaciae (Homoptera)
BEGONIA:
Iridomyrmex humilis (Hymenoptera)
BELLIS:
Thrips flavus (Thysanoptera)
BETA:
Rhopalosiphoninus tulipaellus (Homoptera)
BRASSAVOLA:
Chrysomphalus tenax (Homoptera)
Ferrisiana virgata (Homoptera)
Furcaspis biformis (Homoptera)
BRASSICA OLERACEA BOTRYTIS:
Mamestra brassicae (Lepidoptera)
Pieris brassicae (Lepidoptera)
Trioza urticae (Homoptera)
BRASSICA OLERACEA CAPITATA:
Evergestis forficalis (Lepidoptera)
Hypera fasciculata (Coleoptera)
Iridomyrmex humilis (Hymenoptera)
Mamestra brassicae (Lepidoptera)
Phyllotreta atra (Coleoptera)
Phyllotreta cruciferae (Coleoptera)
Pieris brassicae (Lepidoptera)
Psylliodes chrysocephala (Coleoptera)
BRASSICA RAPA:
Adrastus limbatus (Coleoptera)
Lampetia equestris (Diptera)
Psylliodes chrysocephala (Coleoptera)
BROMELIA:
Ligyrocoris abdominalis (Hemiptera)
Plagiodera semivittata (Coleoptera)
BROMELIAD:
Asterolecanium epidendri (Homoptera)
Calligrapha argus (Coleoptera)
Ogdoecosta biannularis (Coleoptera)
Pinnaspis buxi (Homoptera)
BROUGHTONIA:
Vinsonia stellifera (Homoptera)
BROWNEA:
Dercynus micronyx (Coleoptera)
BRYOPHYLLUM:
Heterogaster urticae (Hemiptera)
Pulvinaria psidii (Homoptera)
BURSERA:
Aspidiotus herculeanus (Homoptera)
CACTUS:
Ceratitis capitata (?) (Diptera)
Chelysoma variabilis (Hemiptera)
Lepidosaphes philococcus (Homoptera)
Ligyrocoris nitidicollis (Hemiptera)
Plagiodera thymaloides (Coleoptera)
Sixeonotus luteiceps (Hemiptera)
CAESALPINIA:
Mimosestes dominicanus (Coleoptera)
Stephanoderes buscki (Coleoptera)
CAJANUS:
Acanthoscelides armitagei (Coleoptera)
Ancylostomia stercorea (Lepidoptera)
Brachyacma palpigera (Lepidoptera)
Fundella pellucens (Lepidoptera)
Maruca testulalis (Lepidoptera)
Sphenarches caffer (Lepidoptera)
Stephanoderes depressus (Coleoptera)
CALLISTEPHUS:
Anuraphis helichrysi (Homoptera)
CALLUNA:
Acalypta parvula (Hemiptera)
Brachyrhinus ovatus (Coleoptera)
Drymus brunneus (Hemiptera)
Gelechia ericetella (Lepidoptera)
Lochmaea suturalis (Coleoptera)
Micrelus ericae (Coleoptera)
Orthezia cataphracta (Homoptera)
Taeniothrips atratus (Thysanoptera)
Taeniothrips ericae (Thysanoptera)
Ulopa reticulata (Homoptera)
CAMELLIA:
Ceroplastes rubens (Homoptera)
Lepidosaphes chinensis (Homoptera)
Parlatoria camelliae (Homoptera)
Pseudoparlatoria ostreata (Homoptera)
CAMPSIS:
Pulvinaria psidii (Homoptera)
CANAVALIA:
Haplothrips gowdeyi (Thysanoptera)
Lampides boeticus (Lepidoptera)
Maruca testulalis (Lepidoptera)
Taeniothrips hawaiiensis (Thysanoptera)
CAPSICUM:
Aleurotrachelus trachoides (Homoptera)
Dacus cucurbitae (Diptera)
Dacus dorsalis (Diptera)
Gnorimoschema gudmannella (Lepidoptera)
Ligyrocoris aurivilliana (Hemiptera)
Neoleucinodes elegantalis (Lepidoptera)
Platynota rostrana (Lepidoptera)
Pulvinaria urbicola (Homoptera)
CARALLUMA:
Asterolecanium stentae (Homoptera)
CARICA:
Aspidiotus spinosus (Homoptera)
Icerya littoralis (Homoptera)
Pseudoparlatoria ostreata (Homoptera)
Toxotrypana curvicauda (Diptera)
CASSIA:
Caryedon fuscus (Coleoptera)
Phelomerus aberrans (Coleoptera)
Tetraleurodes acaciae (Homoptera)
Xystrocera globosa (Coleoptera)
CASTANEA:
Hemimene juliana (Lepidoptera)
Laspeyresia splendana (Lepidoptera)
CASUARINA:
Orthezia praelonga (Homoptera)
CATASETUM:
Furcaspis biformis (Homoptera)
Pseudaonidia tesserata (Homoptera)
CATTLEYA:
Amorbia emigratella (Lepidoptera)
Asterolecanium epidendri (Homoptera)
Chrysomphalus tenax (Homoptera)
Chrysomphalus umboniferus (Homoptera)
Coccus pseudohesperidum (Homoptera)
Conchaspis angraeci (Homoptera)
Eurytoma orchidearum (Hymenoptera)
Furcaspis biformis (Homoptera)
Iridomyrmex iniquus (Hymenoptera)
Lincus rufospilotus (Hemiptera)
Parallelodiplosis cattleyae (Diptera)
Protopulvinaria longivalvata (Homoptera)

Hosts and insects—Continued

CATTLEYA—Continued
Pseudischnaspis alienus (Homoptera)
Tenthecoris orchidearum (Hemiptera)
Tenthecoris venezuelensis (Hemiptera)
Vinsonia stellifera (Homoptera)
CEDRELA:
Fulvius brevicornis (Hemiptera)
Platypus rugulosus (Coleoptera)
CEDRUS:
Kalotermes snyderi (Isoptera)
CENTAUREA:
Crophius scabrosus (Hemiptera)
Pachyzancla bipunctalis (Lepidoptera)
CERATONIA:
Aspidiotus zonatus (Homoptera)
Myelois ceratoniae (Lepidoptera)
CHRYSANTHEMUM:
Anuraphis helichrysi (Homoptera)
Capitophorus chrysanthemi (Homoptera)
Frankliniella cubensis (Thysanoptera)
Macrosiphoniella oblonga (Homoptera)
Rhopalophora incrustata (Coleoptera)
Thrips angusticeps (Thysanoptera)
Thrips flavus (Thysanoptera)
CHYSIS:
Chrysomphalus umboniferus (Homoptera)
CITRUS AURANTIFOLIA:
Aleurocanthus woglumi (Homoptera)
Anastrepha ludens (Diptera)
Chrysomphalus personatus (Homoptera)
Chrysomphalus scutiformis (Homoptera)
Leucaspis cockerelli (Homoptera)
Lygaeus circumplicatus (Hemiptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)
CITRUS AURANTIUM:
Aleurocanthus woglumi (Homoptera)
Aleurothrixus floccosus (Homoptera)
Anastrepha ludens (Diptera)
Paraleyrodes citricolus (Homoptera)
CITRUS GRANDIS:
Prays endocarpa (Lepidoptera)
CITRUS LIMON:
Aonidiella citrina (Homoptera)
Ceratitis capitata (Diptera)
Cryptoblabes gnidiella (Lepidoptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS MEDICA:
Rhinacloa subpallicornis (Hemiptera)
CITRUS PARADISI:
Anastrepha ludens (Diptera)
Aspidiotus palmae (Homoptera)
Ceratitis capitata (Diptera)
Coccus viridis (Homoptera)
Leucaspis cockerelli (Homoptera)
Morganella longispina (Homoptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Unaspis citri (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS RETICULATA:
Aleurocanthus woglumi (Homoptera)
Anastrepha serpentina (Diptera)
Ceratitis capitata (Diptera)
Dialeurodes citri (Homoptera)
Parlatoria zizyphus (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS SINENSIS:
Aleurocanthus woglumi (Homoptera)
Anastrepha ludens (Diptera)
Anastrepha mombinpraeoptans (Diptera)
Argyroploce leucotreta (Lepidoptera)
Ceratitis capitata (Diptera)
Cryptoblabes gnidiella (Lepidoptera)
Dialeurodes citrifolii (Homoptera)
Gymnandrosoma aurantianum (Lepidoptera)
Leucaspis cockerelli (Homoptera)
Morganella longispina (Homoptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Trialeurodes vitrinellus (Homoptera)
CITRUS SINENSIS—Continued
Unaspis citri (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS SP.:
Aleurocanthus woglumi (Homoptera)
Chrysomphalus pinnulifera (Homoptera)
Chrysomphalus scutiformis (Homoptera)
Coccus viridis (Homoptera)
Dialeurodes citri (Homoptera)
Dialeurodes citrifolii (Homoptera)
Frankliniella insularis (Thysanoptera)
Parlatoria zizyphus (Homoptera)
Trialeurodes vitrinellus (Homoptera)
Unaspis yanonensis (Homoptera)
COCCOLOBA:
Frankliniella insularis (Thysanoptera)
COCOS:
Aonidiella inornata (Homoptera)
Aspidiotus coryphae (Homoptera)
Aspidiotus destructor (Homoptera)
Aspidiotus excisus (Homoptera)
Aspidiotus pangoensis (Homoptera)
Aspidiotus spinosus (Homoptera)
Chrysomphalus personatus (Homoptera)
Chrysomphalus tingi (Homoptera)
Diocalandra taitensis (Coleoptera)
Ereunetis flavistriata (Lepidoptera)
Eucalymnatus tessellatus (Homoptera)
Furcaspis oceanica (Homoptera)
"Lepidosaphes" esakii (Homoptera)
Phenacaspis sandwicensis (Homoptera)
Pinnaspis buxi (Homoptera)
Pseudococcus palmarum (Homoptera)
Syritta oceanica (Diptera)
CODIAEUM:
Ferrisiana virgata (Homoptera)
Lepidosaphes tokionis (Homoptera)
Lichtensia lutea (Homoptera)
Orthezia praelonga (Homoptera)
Parlatoria crotonis (Homoptera)
COFFEA:
Ceratitis capitata (Diptera)
Dacus dorsalis (?) (Diptera)
Stephanoderes hampei (Coleoptera)
CONVALLARIA:
Hebrus pusillus (Hemiptera)
COPAIFERA:
Platypus ruqulosus (Coleoptera)
CORNUS:
Allantus cinctus (Hymenoptera)
CORYLUS:
Capitophorus avellanae (?) (Homoptera)
CORYPHANTHA:
Gerstaeckeria mutillaria (Coleoptera)
COTONEASTER:
Stephanitis pyri (Hemiptera)
CRATAEGUS:
Acronicta tridens (Lepidoptera)
CRYPTOMERIA:
Dinoderus bifoveolatus (Coleoptera)
Rhiobia praeceps (Hemiptera)
CUCUMIS:
Dacus cucurbitae (Diptera)
Exptochiomera albomaculata (Hemiptera)
Ligyrocoris aurivilliana (Hemiptera)
Myiopardalis pardalina (Diptera)
CUCURBITA:
Anastrepha grandis (Diptera)
Exptochiomera albomaculata (Hemiptera)
Exptochiomera oblonga (Hemiptera)
CYBISTAX:
Platypus ruqulosus (Coleoptera)
CYCNOCHES:
Vinsonia stellifera (Homoptera)
CYDONIA:
Ceratitis capitata (Diptera
Parlatoria oleae (Homoptera)
Stephanitis pyri (Hemiptera)
CYMBIDIUM:
Dinoderus brevis (Coleoptera)
Lepidosaphes tuberculata (Homoptera)
CYNARA:
Anuraphis cynariella (Homoptera)
Apion carduorum (Coleoptera)
Apion carduorum var. (Coleoptera)

Hosts and insects—Continued

CYNARA—Continued
Epicometis hirta (Coleoptera)
Gortyna flavago (Lepidoptera)
Ptosima undecimmaculata (Coleoptera)
CYTISUS:
Bruchidius lividimonus var. (Coleoptera)
Sparteus villosus (Coleoptera)
Iridomyrmex humilis (Hymenoptera)
Taeniothrips atratus (Thysanoptera)
Taeniothrips hawaiiensis (Thysanoptera)
Thrips angusticeps (Thysanoptera)
DAHLIA:
Haplothrips gowdeyi (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
DAISY:
Anuraphis helichrysi (Homoptera)
DALBERGIA:
Platypus rugulosus (Coleoptera)
DAUCUS:
Phalonia zephyrana (Lepidoptera)
DELPHINIUM:
Serica brunnea (?) (Coleoptera)
DENDROBIUM:
Achatina fulica (Mollusca)
Ferrisiana virgata (Homoptera)
Parlatoria pseudaspidiotus (Homoptera)
Pinnaspis buxi (Homoptera)
DESMODIUM:
Bruchidius gilvus (Coleoptera)
DIANTHUS:
Anuraphis helichrysi (Homoptera)
Brachyrhinus ovatus (Coleoptera)
Bradybaena similaris (Mollusca)
Dizygomyza flavifrons (Diptera)
Euxesta notata (Diptera)
Haplothrips cottei (Thysanoptera)
DIOSCOREA:
Palaeopus costicollis (Coleoptera)
Pheidole megacephala (Hymenoptera)
Stephanoderes buscki (Coleoptera)
"*Targionia*" *hartii* (Homoptera)
DIOSPYROS:
Aspidiotus spinosus (Homoptera)
Callidium rufipenne (Coleoptera)
Ceratitis capitata (Diptera)
Iridomyrmex humilis (Hymenoptera)
Lepidosaphes conchiformis (Homoptera)
Parlatoria oleae (Homoptera)
DOLICHOS:
Callosobruchus phaseoli (Coleoptera)
ECHEVERIA:
Eumysia stigmella (Lepidoptera)
ENTEROLOBIUM:
Dinoderus bifoveolatus (Coleoptera)
EPIDENDRUM:
Asterolecanium epidendri (Homoptera)
Eurytoma orchidearum (Hymenoptera)
Furcaspis biformis (Homoptera)
Pseudischnaspis alienus (Homoptera)
Tenthecoris distinguendus (Hemiptera)
ERICA:
Antestia variegata lineaticollis (Hemiptera)
ERIOBOTRYA:
Ceratitis capitata (Diptera)
Iridomyrmex humilis (Hymenoptera)
EUGENIA:
Dialeurodes platicus (?) (Homoptera)
EUONYMUS:
Ceroplastes rubens (Homoptera)
Parlatoria theae (Homoptera)
Unaspis euonymi (Homoptera)
EUTERPE:
Coccotrypes pygmaeus (Coleoptera)
FICUS:
Aspidiotus zonatus (Homoptera)
Ceratitis capitata (Diptera)
Ceroplastes rusci (Homoptera)
Homotoma ficus (Homoptera)
Hypoborus ficus (Coleoptera)
Iridomyrmex humilis (Hymenoptera)
Lepidosaphes ficus (Homoptera)
Parlatoria oleae (Homoptera)
FOENICULUM:
Pieris brassicae (Lepidoptera)
FORTUNELLA:
Ceratitis capitata (Diptera)
FRAGARIA:
Mamestra brassicae (Lepidoptera)
FRAXINUS:
Hylesinus fraxini (Coleoptera)
Leperisinus fraxini (Coleoptera)
GARDENIA:
Aleuroparadoxus gardeniae (Homoptera)
Aleurothrixus myrtacei (Homoptera)
Aspidiotus degeneratus (Homoptera)
Coccus viridis (Homoptera)
Dialeurodes citri (Homoptera)
Dialeurodes kirkaldyi (Homoptera)
Eucalymnatus tessellatus (Homoptera)
Frankliniella insularis (Thysanoptera)
Paraleyrodes citricolus (Homoptera)
Platynota rostrana (Lepidoptera)
Protopulvinaria longivalvata (Homoptera)
Protopulvinaria pyriformis (Homoptera)
Pulvinaria psidii (Homoptera)
GERBERA:
Anuraphis helichrysi (Homoptera)
Iridomyrmex humilis (Hymenoptera)
GLADIOLUS:
Chalcolepidius approximatus (Coleoptera)
Frankliniella insularis (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
Myzus ascalonicus (Homoptera)
Pheidole megacephala (Hymenoptera)
Rhinacloa subpallicornis (Hemiptera)
Rhopalosiphoninus tulipaellus (Homoptera)
Taeniothrips atratus (Thysanoptera)
Tanymecus confusus (Coleoptera)
GOMPHRENA:
Coccus viridis (Homoptera)
Pachyzancla bipunctalis (Lepidoptera)
GOSSYPIUM:
Alpheias conspirata (Lepidoptera)
Ferrisiana virgata (Homoptera)
Lygaeus teapensis (Hemiptera)
Oxycarenus hyalinipennis (Hemiptera)
Oxycarenus lactus (Hemiptera)
Pectinophora gossypiella (Lepidoptera)
GRAPTOPHYLLUM:
Ferrisiana virgata (Homoptera)
GUAJACUM:
Astyochus setiger (Coleoptera)
Neoclytus cacicus (Coleoptera)
HEDYSARUM:
Bruchidius gilvus (Coleoptera)
HELICONIA:
Oxydema longulum (Coleoptera)
Pseudococcus probrevipes (Homoptera)
HELIOTROPIUM:
Asterolecanium pustulans (Homoptera)
HIBISCUS:
Crocidosema plebeiana (Lepidoptera)
Frankliniella insularis (Thysanoptera)
Pheidole megacephala (Hymenoptera)
Platysaissetia castilloae (Homoptera)
Taeniothrips hawaiiensis (Thysanoptera)
HOWEA:
Pinnaspis buxi (Homoptera)
HYPERBAENA:
Chrysomphalus personatus (Homoptera)
ILEX:
Aleuroplatus ilicis (Homoptera)
Phenacaspis aucubae (Homoptera)
IPOMOEA:
Araecerus vieillardi (Coleoptera)
Cylas formicarius (Coleoptera)
Cylas formicarius elegantulus (Coleoptera)
Cylas formicarius var. (Coleoptera)
Euscepes postfasciatus (Coleoptera)
Ips interstitialis (Coleoptera)
Taeniothrips atratus (Thysanoptera)
IRIS:
Frankliniella insularis (Thysanoptera)
IXORA:
Coccus viridis (Homoptera)
JASMINUM:
Asterolecanium pustulans (Homoptera)
Heterotermes convexinotatus (Isoptera)
Taeniothrips hawaiiensis (Thysanoptera)

Hosts and insects—Continued

JUNIPERUS:
Dinoderus brevis (Coleoptera)
Lepidosaphes newsteadi (Homoptera)
Lepidosaphes pallida (Homoptera)
KARWINSKIA:
Aleuroparadoxus ilicicola (Homoptera)
Ferrisiana virgata (Homoptera)
Stephanoderes lecontei (Coleoptera)
Tetraleurodes acaciae (Homoptera)
KERRIA:
Allantus cinctus (Hymenoptera)
KERSTINGIELLA:
Caryedon fuscus (Coleoptera)
KHAYA:
Heterobostrychus aequalis (Coleoptera)
LABURNUM:
Chaetocnema hortensis (Coleoptera)
Sparteus villosus (Coleoptera)
LAELIA:
Asterolecanium epidendri (Homoptera)
Chrysomphalus nigropunctatus (Homoptera)
Chrysomphalus umboniferus (Homoptera)
Pseudischnaspis alienus (Homoptera)
LANTANA:
Epinotia lantana (?) (Lepidoptera)
Rhinacloa subpallicornis (Hemiptera)
LATHYRUS:
Aglossa cuprealis (Lepidoptera)
Bruchus tristiculus (Coleoptera)
Bruchus tristis (Coleoptera)
Iridomyrmex humilis (Hymenoptera)
Taeniothrips atratus (Thysanoptera)
Thrips angusticeps (Thysanoptera)
LAURUS:
Aspidiotus britannicus (Homoptera)
Aspidiotus palmae (Homoptera)
Cacoecia pronubana (Lepidoptera)
Ceroplastes denudatus (Homoptera)
Chrysomphalus personatus (Homoptera)
Trialeurodes lauri (Homoptera)
LENS:
Bruchidius incarnatus (Coleoptera)
Bruchus ervi (Coleoptera)
Bruchus lentis (Coleoptera)
Bruchus signaticornis (Coleoptera)
Bruchus ulicis (Coleoptera)
LEUCADENDRON:
Iridomyrmex humilis (Hymenoptera)
LEUCOJUM:
Lampetia equestris (Diptera)
LIGUSTRUM:
Coccus viridis (Homoptera)
LILIUM:
Crioceris lilii (Coleoptera)
Frankliniella insularis (Thysanoptera)
Fulvius brevicornis (Hemiptera)
Iridomyrmex humilis (Hymenoptera)
Myzus ascalonicus (?) (Homoptera)
Orthezia cataphracta (Homoptera)
Orthochaetes setiger (Coleoptera)
Pheidole megacephala (Hymenoptera)
Podagrica malvae (Coleoptera)
LINUM:
Attagenus gloriosae (Coleoptera)
LITCHI:
Pachybrachius nietneri (Hemiptera)
LONAS:
Bradybaena similaris (Mollusca)
LONICERA:
Aspidiotus excisus (Homoptera)
Ferrisiana virgata (Homoptera)
LUPINUS:
Bruchus tristis (Coleoptera)
LYCIUM:
Ceroplastes rubens (Homoptera)
LYCOPERSICON:
Brochymena aculeata (Hemiptera)
Cossonus canaliculatus (Coleoptera)
Crepidodera asphaltina (?) (Coleoptera)
Dacus cucurbitae (Diptera)
Dacus dorsalis (Diptera)
Disonycha antennata (Coleoptera)
Dysdercus mimulus (Hemiptera)
Emesopsis nubilus (Hemiptera)
Exptochiomera oblonga (Hemiptera)
Gnorimoschema gudmannella (Lepidoptera)

LYCOPERSICON—Continued
Ligyrocoris aurivilliana (Hemiptera)
Lineodes integra (Lepidoptera)
Neoleucinodes elegantalis (Lepidoptera)
Platynota rostrana (Lepidoptera)
Valtissus diversus (Hemiptera)
MACADAMIA:
Cryptophlebia illepida (Lepidoptera)
MALUS:
Anastrepha ludens (?) (Diptera)
Argyresthia conjugella (Lepidoptera)
Carposina sasakii (Lepidoptera)
Ceratitis capitata (Diptera)
Epidiaspis piricola (Homopetera)
Lepidosaphes conchiformis (Homoptera)
Parlatoria oleae (Homoptera)
Phagoletis pomonella (Diptera)
Sesamia vuteria (Lepidoptera)
MAMMEA:
Anastrepha ludens (Diptera)
Anastrepha serpentina (?) (Diptera)
Ligyrocoris nitidicollis (Hemiptera)
MAMMILLARIA:
Sixeonotus luteiceps (Hemiptera)
MANGIFERA:
Anastrepha ludens (Diptera)
Anastrepha mombinpraeoptans (Diptera)
Aulacaspis tubercularis (Homoptera)
Ceratitis capitata (?) (Diptera)
Cryptorhynchus mangiferae (Coleoptera)
Dacus dorsalis (Diptera)
Leucaspis indica (Homoptera)
Parlatoria morrisoni (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)
MANIHOT:
Ferrisiana virgata (Homoptera)
MATHIOLA:
Iridomyrmex humilis (Hymenoptera)
Sparteus villosus (Coleoptera)
MEDICAGO:
Acrosternum armiger (Hemiptera)
Agalliana ensigera (Homoptera)
Anthomyza cursor (Diptera)
MENTHA:
Phenacoccus madeirensis (Homoptera)
MERTENSIA:
Anuraphis helichrysi (Homoptera)
MESPILUS:
Laspeyresia splendana (Lepidoptera)
MIMOSA:
Iridomyrmex humilis (Hymenoptera)
Thrips angusticeps (Thysanoptera)
MONSTERA:
Pinnaspis buxi (Homoptera)
MORAEA:
Chrysomphalus pinnulifera (Homoptera)
MORINDA:
Dialeurodes kirkaldyi (Homoptera)
MURRAYA:
Dialeurodes kirkaldyi (Homoptera)
Stephanoderes buscki (Coleoptera)
MUSA:
Cosmopolites sordidus (Coleoptera)
Dacus dorsalis (Diptera)
Heterotermes tenuis (Isoptera)
Metamasius sericeus (Coleoptera)
Metamasius sericeus var. (Coleoptera)
MUSCARI:
Exosoma lusitanica (Coleoptera)
Lampetia equestris (Diptera)
MYOSOTIS:
Anuraphis helichrysi (Homoptera)
NARCISSUS:
Eumerus strigatus (Diptera)
Lampetia equestris (Diptera)
Tarsonemus laticeps (Arachnida)
NERIUM:
Diaprepes familiaris var. (Coleoptera)
Frankliniella difficilis (Thysanoptera)
Frankliniella insularis (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Morganella longispina (Homoptera)
Parlatoria morrisoni (Homoptera)
Pheidole megacephala (Hymenoptera)
Phenacaspis sandwicensis (Homoptera)

Hosts and insects—Continued

OCHROSIA:
Dacus dorsalis (Diptera)
ODONTOGLOSSUM:
Amorbia emigratella (?) (Lepidoptera)
Pseudischnaspis alienus (Homoptera)
OLEA:
Aleurolobus olivinus (Homoptera)
Dacus oleae (Diptera)
Leucaspis riccae (Homoptera)
Parlatoria oleae (Homoptera)
Phloeotribus scarabaeoides (Coleoptera)
Pollinia pollini (Homoptera)
Prays oleellus (Lepidoptera)
ONCIDIUM:
Asterolecanium epidendri (Homoptera)
Chrysomphalus umboniferus (Homoptera)
Coccus pseudohesperidum (Homoptera)
Conchaspis angraeci (Homoptera)
Cryphula apicatus (Hemiptera)
Furcaspis biformis (Homoptera)
Iridomyrmex iniquus (Hymenoptera)
Pseudoparlatoria ostreata (Homoptera)
Pseudoparlatoria serratulae (Homoptera)
Tenthecoris venezuelensis (Hemiptera)
ONOBRYCHIS:
Eurytoma onobrychidis (Hymenoptera)
OPUNTIA:
Ceratitis capitata (Diptera)
Lepidosaphes philococcus (Homoptera)
Sesamia vuteria (Lepidoptera)
ORCHID:
Acroleucus vicinalis (Hemiptera)
Aleuroglandulus emmae (Homoptera)
Antillococris punctatus (Hemiptera)
Aspidiotus destructor (Homoptera)
Asterolecanium epidendri (Homoptera)
Automeris randa (Lepidoptera)
Calligrapha diversa (Coleoptera)
Capaneus tetricus (Hemiptera)
Ceutorhynchus assimilis (Coleoptera)
Chrysomphalus nigropunctatus (Homoptera)
Chrysomphalus odontoglossi (Homoptera)
Chrysomphalus tenax (Homoptera)
Chrysomphalus umboniferus (Homoptera)
Conchaspis angraeci (Homoptera)
Copaxa lavendera (Lepidoptera)
Corimelaena elegans (Hemiptera)
Crophius scabrosus (Hemiptera)
Cryphula apicatus (Hemiptera)
Ctenochira cumulata (Coleoptera)
Diorymerella laevimargo (Coleoptera)
Eurytoma orchidearum (Hymenoptera)
Exptochiomera albomaculata (Hemiptera)
Exptochiomera oblonga (Hemiptera)
Furcaspis biformis (Homoptera)
Iridomyrmex humilis (Hymenoptera)
Iridomyrmex leucomelas (Hymenoptera)
Kleidocerys godmani (Hemiptera)
Lepidosaphes tuberculata (Homoptera)
Ligyrocoris abdominalis (Hemiptera)
Ligyrocoris auriwilliana (Hemiptera)
Ligyrocoris nitidicollis (Hemiptera)
Lygaeus circumplicatus (Hemiptera)
Lygaeus vittiscutis (Hemiptera)
Macropygium reticulare (Hemiptera)
Mordellistena cattleyana (Coleoptera)
Nasutitermes nigriceps (Isoptera)
Nephotettix apicalis (Homoptera)
Ogdoecosta biannularis (Coleoptera)
Ozophora consanguineus (Hempitera)
Parallelodiplosis cattleyae (Diptera)
Parlatoria pseudaspidiotus (Homoptera)
Phatnoma annulipes concisa (Hemiptera)
Physonota disjuncta (Coleoptera)
Physorrhinus distigma (Coleoptera)
Plagiodera semivittata (Coleoptera)
Plagiodera thymaloides (Coleoptera)
Pseudaonidia tesserrata (Homoptera)
Pseudischnaspis alienus (Homoptera)
Pseudoparlatoria ostreata (Homoptera)
Pseudoparlatoria serratulae (Homoptera)
Puto mexicanus (Homoptera)
Tenthecoris angustimarginatus (Hemiptera)
Tenthecoris bicolor (Hemiptera)
Tenthecoris confusus (Hemiptera)
ORCHID—Continued
Tenthecoris distinguendus (Hemiptera)
Vinsonia stellifera (Homoptera)
ORNITHOGALUM:
Haplothrips bagnalli (Thysanoptera)
Paromius gracilis (Hemiptera)
ORYZA:
Chilo simplex (Lepidoptera)
Gelasma illiturata (Lepidoptera)
PALM:
Coccotrypes pygmaeus (Coleoptera)
Elytroteinus subtruncatus (Coleoptera)
Iridomyrmex humilis (Hymenoptera)
PANDANUS:
Pseudococcus pandani (Homoptera)
PAPAVER:
Anuraphis helichrysi (Homoptera)
PASPALUM:
"*Targionia*" *sacchari* (Homoptera)
PASSIFLORA:
Frankliniella insularis (Thysanoptera)
PELARGONIUM:
Bradybaena similaris (Mollusca)
PERISTERIA:
Iridomyrmex iniquus (Hymenoptera)
PERSEA:
Anastrepha ludens (Diptera)
Aspidiotus destructor (Homoptera)
Aspidiotus diffinis (Homoptera)
Ceratitis anonae (Diptera)
Chrysomphalus personatus (Homoptera)
Conotrachelus aguacatae (Coleoptera)
Conotrachelus perseae (Coleoptera)
Dacus dorsalis (?) (Diptera)
Exptochiomera albomaculata (Hemiptera)
Lygaeus consanguinitus (Hemiptera)
Platypus rugulosus (Coleoptera)
Stenoma catenifer (Lepidoptera)
PHALAENOPSIS:
Monomorium destructor (Hymenoptera)
PHASEOLUS:
Bradybaena similaris (Mollusca)
Callosobruchus pulcher (Coleoptera)
Epinotia opposita (Lepidoptera)
Everes comyntas (Lepidoptera)
Fundella pellucens (Lepidoptera)
Maruca testulalis (Lepidoptera)
PHILODENDRON:
Aspidiotus diffinis (Homoptera)
Chrysomphalus scutiformis (Homoptera)
Chrysomphalus sphaeroides (Homoptera)
Chrsomphalus tenax (Homoptera)
Dione moneta poeyii (Lepidoptera)
Ferrisiana virgata (Homoptera)
Neoleucon horribilis (Hemiptera)
Pinnaspis buxi (Homoptera)
Protopulvinaria pyriformis (Homoptera)
PHOEBE:
Heilipus parvulus (Coleoptera)
PHORADENDRON:
Diaspis miranda (Homoptera)
PHOTINIA:
Dialeurodes citri (Homoptera)
PHYSALIS:
Rhagoletis striatella (Diptera)
PICEA:
Callidium violaceum (Coleoptera)
Drymus brunneus (Hemiptera)
Ernobius abietus (Coleoptera)
Gastrodes pacificus (Hemiptera)
Laspeyresia strobilella (Lepidoptera)
Pityogenes chalcographus (Coleoptera)
Pogonocherus fasciculatus (Coleoptera)
Tetropium fuscum (Coleoptera)
PINUS:
Callidium violaceum (Coleoptera)
Hylurgops palliatus (Coleoptera)
Ips combrae (Coleoptera)
Ips typographus (Coleoptera)
Lepidosaphes newsteadi (Homoptera)
Leucaspis loewi (Homoptera)
Leucaspis signoreti (Homoptera)
Orthotomicus erosus (Coleoptera)
Orthotomicus laricis (Coleoptera)
Pityogenes bidentatus (Coleoptera)

Hosts and insects—Continued

PINUS—Continued
Pityogenes chalcographus (Coleoptera)
"Poliaspis" pini (Homoptera)
Polygraphus poligraphus (Coleoptera)
Pseudococcus pini (Homoptera)
PISUM:
Ancylostomia stercorea (Lepidoptera)
Bruchus emarginatus (Coleoptera)
PISTACIA:
Chrysomphalus inopinatus (Homoptera)
Megastigmus pistaciae (Hymenoptera)
PITHECELLOBIUM:
Tetraleurodes acaciae (Homoptera)
PITTOSPORUM:
Pulvinaria psidii (Homoptera)
PLUMERIA:
Aspidiotus herculeanus (Homoptera)
POLIANTHES:
Ferrisiana virgata (Homoptera)
PORTULACA:
Loxostege helvialis (Lepidoptera)
Loxostege similalis (Lepidoptera)
Pantomorus godmani (Coleoptera)
PROSOPIS:
Xylobiops texanus (Coleoptera)
PROTEA:
Antestia variegata lineaticollis (Hemiptera)
Homothrips distinctus (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
PRUNUS AMYGDALUS AMARA:
Anastrepha suspensa (Diptera)
PRUNUS ARMENIACA:
Ceratitis capitata (?) (Diptera)
PRUNUS AVIUM:
Anthonomus rectirostris (Coleoptera)
PRUNUS DOMESTICA:
Ceratitis capitata (Diptera)
Iridomyrmex humilis (Hymenoptera)
Oedionychis decorata (Coleoptera)
PRUNUS PADUS:
Anthonomus rectirostris (Coleoptera)
PRUNUS PERSICA:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Grapholitha packardi (Lepidoptera)
PRUNUS SP. (cherry):
Rhagoletis cerasi (Diptera)
PSIDIUM:
Aleurothrixus floccosus (Homoptera)
Anastrepha striata (Diptera)
Anastrepha suspensa (Diptera)
Ceratitis capitata (Diptera)
Lechriops psodii (Coleoptera)
Paraleyrodes goyabae (?) (Homoptera)
PTYCHOSPERMA:
Coccotrypes pygmaeus (Coleoptera)
PUERARIA:
Callosobruchus ademptus (Coleoptera)
PUNICA:
Anastrepha ludens (?) (Diptera)
Cryptoblabes gnidiella (Lepidoptera)
Myelois ceratoniae (Lepidoptera)
Parlatoria theae (Homoptera)
Siphoninus phyllireae (Homoptera)
PYRUS:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Chrysomphalus inopinatus (Homoptera)
Iphiclides podalirius (Lepidoptera)
Parlatoria oleae (Homoptera)
QUERCUS:
Stenygrinum quadrinotatum (Coleoptera)
Trialeurodes multipori (Homoptera)
Trialeurodes oblongifoliae (Homoptera)
RAPHANUS:
Rhopalosiphoninus tulipaellus (Homoptera)
RHODODENDRON:
Chaetocnema hortensis (Coleoptera)
Dialeurodes chittendeni (Homoptera)
Drymus assimilis (Hemiptera)
Drymus brunneus (Hemiptera)
Drymus sylvaticus (Hemiptera)
Gracilaria azaleella (Lepidoptera)
Phenacoccus azaleae (Homoptera)
Psylla rhododendri (Homoptera)

RHODODENDRON—Continued
Reticulitermes speratus (Isoptera)
Vesiculaphis caracis (Homoptera)
RIBES:
Aphis grossulariae (?) (Homoptera)
Eurydema oleraceum (Hemiptera)
RORIPPA:
Evergestis rimosalis (Lepidoptera)
ROSA:
Amorbia emigratella (Lepidoptera)
Frankliniella cubensis (Thysanoptera)
Frankliniella insularis (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
Myzaphis bucktoni (?) (Homoptera)
Parlatoria oleae (Homoptera)
Plagiognathus arbustorum (Hemiptera)
Platynota rostrana (Lepidoptera)
Rhagoletis alternata (Diptera)
Selenothrips rubrocinctus (Thysanoptera)
Tetraleurodes quadratus (Homoptera)
Thrips angusticeps (Thysanoptera)
ROSMARINUS:
Chrysolina americana (Coleoptera)
Exosoma lusitanica (Coleoptera)
RUBUS:
Brachyrhinus ovatus (Coleoptera)
RUSCUS:
Aspidiotus britannicus (Homoptera)
RUTA:
Phenacoccus madeirensis (Homoptera)
SACCHARUM:
Diatraea magnifactella (Lepidoptera)
Iridomyrmex humilis (Hymenoptera)
Monomorium destructor (Hymenoptera)
Pseudococcus boninsis (Homoptera)
"Targionia" sacchari (Homoptera)
Trionymus sacchari (Homoptera)
SALVIA:
Eurytoma cynipsea (Hymenoptera)
SAMANEA:
Oedopeza pogonocheroides (Coleoptera)
SAPOTE:
Anastrepha ludens (Diptera)
Anastrepha serpentina (Diptera)
SASA:
Antonina sasae (Homoptera)
SCHOMBURGKIA:
Chrysomphalus umboniferus (Homoptera)
SECHIUM:
Platynota rostrana (Lepidoptera)
SEDUM:
Microplax interrupta (Hemiptera)
SIBIRAEA:
Aleyrodes spiraeoides (Homoptera)
SINNINGIA:
Cylindronotus laevioctostriatus (Coleoptera)
SOIL:
Acrolepia assectella (Lepidoptera)
Adela viridella (Lepidoptera)
Anomala orientalis (?) (Coleoptera)
Epicometis hirta (Coleoptera)
Iridomyrmex humilis (Hymenoptera)
Oxycetonia jucunda (Coleoptera)
Pheidole megacephala (Hymenoptera)
Scolopostethus decoratus (Hemiptera)
Serica brunnea (Coleoptera)
SOLANUM ELAEAGNIFOLIUM:
Zonosemata electa (Diptera)
SOLANUM MELONGENA:
Leucinodes orbonalis (?) (Lepidoptera)
Neoleucinodes elegantalis (Lepidoptera)
SOLANUM TUBEROSUM:
Epicaerus cognatus (Coleoptera)
Exptochiomera albomaculatus (Hemiptera)
SORBUS:
Lecanium coryli (Homoptera)
SORGHUM:
Pyrausta nubilalis (Lepidoptera)
SPARTIUM:
Sparteus villosus (Coleoptera)
SPONDIAS:
Anastrepha mombinpraeoptans (Diptera)
Aspidiotus herculeanus (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)

Hosts and insects—Continued

STANHOPEA:
Vinsonia stellifera (Homoptera)
STRELITZIA:
Iridomyrmex humilis (Hymenoptera)
Phenacaspis sandwicensis (Homoptera)
Taeniothrips hawaiiensis (Thysanoptera)
STROPHANTHUS:
Aspidiotus spiniger (Homoptera)
SWIETENIA:
Nasutitermes corniger (Isoptera)
THAMNOCHORTUS:
Iridomyrmex humilis (Hymenoptera)
TILLANDSIA:
Ligyrocoris nitidicollis (Hemiptera)
TODEA:
Ceroplastes rubens (Homoptera)
TRIFOLIUM:
Mamestra brassicae (Lepidoptera)
Megophthalmus scanicus (Homoptera)
Thrips angusticeps (Thysanoptera)
TRITONIA:
Iridomyrmex humilis (Hymenoptera)
TULIPA:
Rhopalosiphoninus tulipaellus (Homoptera)
VANDA:
Furcaspis biformis (Homoptera)
Nysius coenosulus (Hemiptera)
Pachybrachius nietneri (Hemiptera)
Pachybrachius nigriceps (Hemiptera)
Parlatoria pseudaspidiotus (Homoptera)
VANILLA:
Lepidosaphes punicae (Homoptera)
Vinsonia stellifera (Homoptera)
VIBURNUM:
Frauenfeldiella jelinekii (Homoptera)
VICIA:
Apion pomonae (Coleoptera)
Bruchidius incarnatus (Coleoptera)
Bruchidius quinqueguttatus (Coleoptera)
Bruchus atomarius (Coleoptera)
Bruchus azoricus (Coleoptera)
Bruchus brachialis (Coleoptera)
Bruchus dentipes (Coleoptera)
VICIA—Continued
Bruchus ervi (Coleoptera)
Bruchus guttalis (Coleoptera)
Bruchus hamatus (Coleoptera)
Bruchus luteicornis (Coleoptera)
Bruchus rufipes (Coleoptera)
Bruchus signaticornis (Coleoptera)
Bruchus tristiculus (Coleoptera)
Bruchus tristis (Coleoptera)
Bruchus ulicis (Coleoptera)
Neodryocoetes caribaeus (Coleoptera)
Spintherus leguminum (Hymenoptera)
VINCENTIA:
Amorbia emigratella (Lepidoptera)
VITIS:
Carbula marginella (Hemiptera)
Cletus ochraceus (Hemiptera)
Eurygaster maura (Hemiptera)
Iridomyrmex humilis (Hymenoptera)
Leptoglossus chilensis (Hemiptera)
Parlatoria oleae (Homoptera)
Phlyctinus callosus (Coleoptera)
Polychrosis botrana (Lepidoptera)
Stenoscelis hylastoides (Coleoptera)
WISTERIA:
Myrmedobia tenella (Hemiptera)
XANTHIUM:
Camaromyia bullans (Diptera)
XYLOSMA:
Tetraleurodes fici (Homoptera)
ZANTEDESCHIA:
Thrips flavus (Thysanoptera)
ZEA:
Euxesta annonae (Diptera)
Exptoi hiomera albomaculata (Hemiptera)
Moodna bisinuella (Lepidoptera)
Sesamia cretica (Lepidoptera)
ZINGIBER:
Dinoderus bifoveolatus (Coleoptera)
Palaeopus costicollis (Coleoptera)
Sybra alternans (Coleoptera)
ZIZYPHUS:
Pseudaonidia trilobitiformis (Homoptera)

Host unknown

AIRPLANE:
Colaspis inconspicua (Coleoptera)
Dacus dorsalis (Diptera)
Disonycha militaris (Coleoptera)
Hyalopoplus pellucidus (Hemiptera)
Lema bilineata (Coleoptera)
Melolontha melolontha (Coleoptera)
Mimosestes dominicanus (Coleoptera)
Mitrapsylla albolineata (Homoptera)
Nysius coenosulus (Hemiptera)
Nysius dallasi (Hemiptera)
Nysius delectus (Hemiptera)
Nysius terrestris (Hemiptera)
Pantomorus godmani (Coleoptera)
Perkinsiella saccharicida (Homoptera)
Perkinsiella vastatrix (Homoptera)
Sitona lineata (Coleoptera)
Tubifera arvorum (Diptera)
AUTOMOBILE:
Jadera sanguinolenta (Hemiptera)
BAG CONTAINING GUAVAS AND SPONDIAS SPP.:
Anastrepha mombinpraeoptans (Diptera)
BAGGAGE:
Adoretus sinicus (Coleoptera)
BEAN:
Acanthoscelides armitagei (Coleoptera)
Bruchus tristis (Coleoptera)
BURLAP:
Brachyrhinus sulcatus (Coleoptera)
CARDBOARD CARTON:
Cryptotermes brevis (Isoptera)
CUTTING:
Furcaspis biformis (Homoptera)
FERN:
Ceroplastes rubens (Homoptera)
Furcaspis biformis (Homoptera)
FLOWERS:
Haplothrips gowdeyi (Thysanoptera)
Pulvinaria tyleri (Homoptera)
Thrips angusticeps (Thysanoptera)
FOREST LITTER:
Sehirus biguttatus (Hemiptera)
GALLNUT:
Adleria gallae-tinctoriae (Hymenoptera)
GRAIN:
Dinoderus brevips (Coleoptera)
GRASS:
Bruchus luteicornis (Coleoptera)
"*Targionia*" *sacchari* (Homoptera)
HERB:
Maruca testulalis (Lepidoptera)
LEAF:
Aleurotrachelus trachoides (Homoptera)
Aspidiotus palmae (Homoptera)
Chrysomphalus sphaeroides (Homoptera)
Dialeurodes citrifolii (Homoptera)
Dialeuropora setigera (Homoptera)
Fiorinia phantasma (Homoptera)
Furcaspis biformis (Homoptera)
Haplothrips gowdeyi (Thysanoptera)
Tetraleurodes acaciae (Homoptera)
Tetraleurodes ursorum (Homoptera)
LEGUME:
Aspidiotus palmae (Homoptera)
Bruchus tristis (Coleoptera)
Callosobruchus phaseoli (Coleoptera)
Callosobruchus pulcher (Coleoptera)
Tetraleurodes acaciae (Homoptera)
MOSS AND SOIL PACKING:
Plinthisus brevipennis (Hemiptera)
PACKING:
Plinthisus minutissimus (Hemiptera)

Host unknown—Continued

PLANT:
Aleurocanthus woglumi (Homoptera)
Chrysomphalus scutiformis (Homoptera)
Coccus viridis (Homoptera)
Diaprepes abbreviatus var. (Coleoptera)
Ferrisiana virgata (Homoptera)
Iridomyrmex humilis (Hymenoptera)
Ozineus prolixus (Coleoptera)
Sixeonotus luteiceps (Hemiptera)
PSEUDOBULB:
Furcaspis biformis (Homoptera)
REFRIGERATOR IN TRAILER:
Anastrepha ludens (Diptera)
RETURNED MILITARY EQUIPMENT
Achatina fulica (Mollusca)
SCRAP METAL:
Achatina fulica (Mollusca)
SPHAGNUM MOSS:
Rhyparochromus chiragra (Hemiptera)
SUITCASE SHAKEOUT:
Anastrepha mombinpraeoptans (Diptera)
WEED:
Pachyzancla periusalis (Lepidoptera)
WOOD:
Bostrychoplites cornutus (Coleoptera)
Callidium violaceum (Coleoptera)
Coptotermes formosanus (Isoptera)
Coptotermes niger (Isoptera)
Cryptotermes brevis (Isoptera)
Heterobostrychus aequalis (Coleoptera)
Heterobostrychus brunneus (Coleoptera)
Kalotermes immigrans (Isoptera)
Neoclytus cacicus (Coleoptera)
Pityogenes bidentatus (Coleoptera)
Pityogenes chalcographus (Coleoptera)
Sinoxylon anale (Coleoptera)
Sinoxylon cornigerum (Coleoptera)
Sinoxylon sexdentatum (Coleoptera)
WOODS MOSS:
Acanthoscelides armitagei (Coleoptera)
Chaetocnema concinna (Coleoptera)
Drymus assimilis (Hemiptera)
Galerucella lineola (Coleoptera)
Newsteadia floccosa (Homoptera)
Orthezia cataphracta (Homoptera)
Ortheziola vejdovskyi (Homoptera)

Countries of origin and insects

ALGERIA:
Ceratitis capitata
Parlatoria zizyphus
AMERICAN SAMOA:
Aspidiotus pangoensis
AMERICAN VIRGIN ISLANDS:
Acanthoscelides armitagei
Vinsonia stellifera
ANGOLA:
Stephanoderes hampei
ANTIGUA:
Cylas formicarius elegantulus
Monomorium destructor
Pectinophora gossypiella
Pinnaspis buxi
ARGENTINA:
Acrosternum armiger
Agalliana ensigera
Anthomyza cursor
Coccotrypes pygmaeus
Diabrotica speciosa
Limothrips cerealium
Parlatoria cinerea
Pheidole megacephala
Pseudaonidia trilobitiformis
Rhinacloa subpallicornis
Unaspis citri
ARUBA:
Fundella pellucens
Orthezia praelonga
AUSTRALIA:
Camaromyia bullans
Ceroplastes rubens
Lepidosaphes tuberculata
Pinnaspis buxi
Psylla uncata
AUSTRIA:
Anthonomus rectirostri
AUSTRIA (?):
Ceratitis capitata
AZORES:
Apion pomonae
Bruchus azoricus
Bruchus guttalis
Bruchus luteicornis
Bruchus tristis
Ceratitis capitata
Ceroplastes rusci
Iridomyrmex humilis
Laspeyresia splendana
Targionia bromiliae
BAHAMAS:
Aleurocanthus woglumi
Coccus viridis
Dialeurodes citrifolii
Gnorimoschema gudmannella
Morganella longispina
BARBADOS:
Cryptotermes brevis
Euscepes postfasciatus
Stephanoderes buscki
"Targionia" hartii
BATAVIA:
Parlatoria pseudaspidiotus
BELGIAN CONGO:
Pseudaonidia trilobitiformis
BELGIUM:
Acanthoscelides armitagei
Cylindronotus laevioctostriatus
Gracilaria azaleella
Hylurgops palliatus
Lepidosaphes tuberculata
Pityogenes chalcographus
Sparteus villosus
BERMUDA:
Anuraphis helichrysi
Bradybaena similaris
Diaprepes familiaris var.
Epinotia lantana (?)
Euxesta notata
Frankliniella cubensis
Frankliniella difficilis
Frankliniella insularis
Haplothrips gowdeyi
Iridomyrmex humilis
Kalotermes snyderi
Pheidole megacephala
Pseudococcus boninsis
Pulvinaria psidii
Rhinacloa subpallicornis
BRAZIL:
Anastrepha grandis
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Aspidiotus palmae
Asterolecanium epidendri
Ceratitis capitata
Chrysomphalus personatus
Coccotrypes pygmaeus
Coccus viridis
Dialeurodes platicus (?)
Dinoderus bifoveolatus
Epinotia opposita
Eurytoma orchidearum
Euscepes postfasciatus
Furcaspis biformis
Gymnandrosoma aurantianum
Heilipus parvulus
Iridomyrmex inipuus
Iridomyrmex leucomelas
Maruca testulalis
Mordellistena cattleyana
Neoleucinodes elegantalis
Oedopeza pogonocheroides

Countries of origin and insects—Continued

BRAZIL—Continued
Ozineus prolixus
Parlatoria cinerea
Pectinophora gossypiella
Pinnaspis buxi
Platypus rugulosus
Pseudaonidia trilobitiformis
Stenoma catenifer
Stephanoderes hampei
Tenthecoris bicolor
Unaspis citri
Vinsonia stellifera
BRITISH COLUMBIA:
Aleyrodes spiraeoides
Sitona lineata
BRITISH GUIANA:
Ancylostomia stercorea
Euzesta annonae
Furcaspis biformis
Maruca testulalis
BRITISH WEST INDIES:
Acanthoscelides armitagei
Callosobruchus phaseoli
Coccus viridis
Unaspis citri
Vinsonia stellifera
BULGARIA:
Bruchus rufipes
CANADA:
Brachyrhinus ovatus
Gastrodes pacificus
Sitona lineata
CANAL ZONE:
Acanthoscelides armitagei
Anastrepha mombinpraeoptans (?)
Ancylostomia stercorea
Aspidiotus destructor
Chrysomphalus tenax
Chrysomphalus umboniferus
Furcaspis biformis
Heterotermes convexinotatus
Leucaspis cockerelli
Parallelodiplosis cattleyae
Phelomerus aberrans
Pinnaspis buxi
Pseudischnaspis alienus
Pseudococcus probrevipes
Stenoma catenifer
Stephanoderes buscki
"Targionia" hartii
Tenthecoris distinguendus
Vinsonia stellifera
CANARY ISLANDS:
Ceratitis capitata
CANTON ISLAND:
Ferrisiana virgata
CHILE:
Iridomyrmex humilis
Lampetia equestris
Leptoglossus chilensis
Oedionychis decorata
CHINA:
Callosobruchus ademptus
Chilo simplex
Chionaspis elongata
Coptotermes formosanus
Parlatoria camelliae
Parlatoria zizyphus
Taeniothrips hawaiiensis
COLOMBIA:
Aleurocanthus woglumi
Aleurothrixus floccosus
Asterolecanium epidendri
Eurytoma orchidearum
Furcaspis biformis
Lincus rufospilotus
Metamasius sericeus var.
Mimosestes dominicanus
Paraleyrodes citricolus
Pseudaonidia tesserrata
Pseudoparlatoria ostreata
Stenoma catenifer
Tenthecoris venezuelensis
CORSICA (?):
Leucaspis signoreti
COSTA RICA:
Aleurocanthus woglumi
Amorbia emigratella (?)
Anastrepha mombinpraeoptans
Aspidiotus destructor
Aspidiotus diffinis
Asterolecanium epidendri
Chrysomphalus personatus
Chrysomphalus tingi
Chrysomphalus umboniferus
Fulvius brevicornis
Furcaspis biformis
Lepidosaphes tokionis
Metamasius sericeus
Platypus rugulosus
Pseudischnaspis alienus
Stenoma catenifer
Tetraleurodes ursorum
CUBA:
Aleurotrachelus trachoides
Anastrepha mombinpraeoptans
Anastrepha suspensa
Aspidiotus destructor
Asterolecanium epidendri
Aulacaspis tubercularis
Coccus viridis
Conchaspis angraeci
Crocidosema plebeiana
Cylas formicarius elegantulus
Frankliniella cubensis
Genopaschia protomis (?)
Gnorimoschema gudmannella
Leucaspis indica
Maruca testulalis
Parallelodiplosis cattleyae
Parlatoria cinerea
Parlatoria crotonis
Pheidole megacephala
Platynota rostrana
Protopulvinaria pyriformis
Pseudoparlatoria ostreata
Ribua innoxia
"Targionia" hartii
Vinsonia stellifera
CYPRUS:
Aleurolobus olivinus
Bruchus dentipes
Ceratitis capitata
CZECHOSLOVAKIA:
Ips typographus
Thrips angusticeps
Thrips flavus
DENMARK:
Brachyrhinus ovatus
Chaetocnema concinna
Chaetocnema hortensis
Drymus assimilis
Sparteus villosus
Taeniothrips atratus
DOMINICA:
Aulacaspis tubercularis
Vinsonia stellifera
DOMINICAN REPUBLIC:
Anastrepha mombinpraeoptans
Anastrepha striata
Aspidiotus herculeanus
Coccus viridis
Cylas formicarius elegantulus
Frankliniella insularis
Mimosestes dominicanus
Pectinophora gossypiella
ECUADOR:
Anastrepha striata (?)
Aspidiotus destructor
Metamasius sericeus
Metamasius sericeus var.
Stenoma catenifer
EGYPT:
Bruchidius incarnatus
Ceratitis capitata
Chilo simplex (?)
Cylas formicarius var.
Parlatoria zizyphus
Pectinophora gossypiella

Countries of origin and insects—Continued

ENGLAND:
Adrastus limbatus
Anuraphis helichrysi
Aspidiotus britannicus
Cacoecia pronubana
Chaetocnema hortensis
Drymus assimilis
Drymus brunneus
Drymus sylvaticus
Epidiaspis piricola
Evergestis forficalis
Hylesinus fraxini
Lampetia equestris
Laspeyresia splendana
Lecanium coryli
Leperisinus fraxini
Lepidosaphes tuberculata
Mamestra brassicae
Myzus ascalonicus
Newsteadia floccosa
Orthezia cataphracta
Orthochaetes setiger
Parlatoria oleae
Psylliodes chrysocephala
Rhopalosiphoninus tulipaellus
Tarsonemus laticeps
Thrips angusticeps
FINLAND:
Argyresthia conjugella
Callidium violaceum
Pogonocherus fasciculatus
FORMOSA:
Cylas formicarius var.
FRANCE:
Acanthoscelides spinipes
Acrolepia assectella
Adela viridella
Apion carduorum
Apion carduorum var.
Bruchidius auriwillii
Bruchus luteicornis
Bruchus tristiculus
Ceratitis capitata
Crioceris lilii
Epicometis hirta
Eumerus strigatus
Fulvius brevicornis
Gortyna flavago
Heterogaster urticae
Iridomyrmex humilis
Lampetia equestris
Laspeyresia splendana
Leucaspis signoreti
Mamestra brassicae
Niphona picticornis
Ortheziola vejdovskyi
Phalonia zephyrana
Pieris brassicae
Podagrica malvae
Pollinia pollini
Pyrausta nubilalis
Rhagoletis cerasi
FRENCH CAMEROONS:
Aspidiotus spiniger
FRENCH WEST AFRICA:
Ceratitis capitata (?)
Phalonia zephyrana
GALAPAGOS ISLANDS:
Chrysomphalus odontoglossi
GERMANY:
Anthonomus rectirostris
Bruchus lentis
Bruchus luteicornis
Callidium violaceum
Ceroplastes rusci
Chilo simplex
Coccus pseudohesperidum
Dicyphus errans
Ernobius abietus
Eurydema oleraceum
Hebrus pusillus
Hylurgops palliatus
Ips typographus
Laspeyresia strobilella
Phalonia zephyrana
GERMANY—Continued
Pityogenes bidentatus
Pityogenes chalcographus
Polygraphus poligraphus
Rhagoletis cerasi
Rhyparochromus chiragra
Spintherus leguminum
Taeniothrips atratus
Thrips angusticeps
GOLD COAST:
Bostrychoplites cornutus
Caryedon fuscus
Ceratitis anonae
Heterobostrychus aequalis
Heterobostrychus brunneus
Oxycarenus hyalinipennis
Pectinophora gossypiella
GREECE:
Acanthoscelides spinipes
Bruchus tristiculus
Bruchus tristis
Ceroplastes rusci
Cryptoblabes gnidiella
Dacus oleae
Eurygaster maura
Eurytoma cynipsea
Frauenfeldiella jelinekii
Haplothrips cottei
Laspeyresia splendana
Lepidosaphes ficus
Leucaspis riccae
Parlatoria oleae
Rhagoletis cerasi (?)
Siphoninus phyllireae
Stephanitis pyri
GUAM:
Achatina fulica
Aonidiella inornata
Ceroplastes rubens
Dacus dorsalis
Furcaspis biformis
"Lepidosaphes" esakii
Lepidosaphes punicae
Odonaspis greeni
Parlatoria pseudaspidiotus
Pseudococcus palmarum
"Targionia" sacchari
GUATEMALA:
Anastrepha ludens
Anastrepha mombinpraeoptans
Astyochus setiger
Chrysomphalus personatus
Chrysomphalus tenax
Chrysomphalus umboniferus
Coccus pseudohesperidum
Colaspis inconspicua
Conotrachelus perseae
Cryphula apicatus
Dione moneta poeyii
Disonycha militaris
Exptochiomera albomaculata
Ferrisiana virgata
Iridomyrmex iniquus
Nasutitermes nigriceps
Neoclytus cacicus
Ogdoecosta biannularis
Platypus rugulosus
Pseudischnaspis alienus
Pseudoparlatoria ostreata
Tetraleurodes acaciae
HAITI:
Acanthoscelides armitagei
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Anuraphis helichrysi
Aspidiotus destructor
Cylas formicarius var.
Frankliniella insularis
Haplothrips gowdeyi
"Targionia" sacchari
HAWAII:
Adoretus sinicus
Amorbia emigratella
Araecerus vieillardi
Aspidiotus herculeanus

Countries of origin and insects—Continued

HAWAII—Continued
Caryedon fuscus
Ceratitis capitata
Ceroplastes rubens
Coccus viridis
Coptotermes formosanus
Coptotermes niger
Cryptophlebia illepida
Cryptorhynchus mangiferae
Cryptotermes brevis
Dacus cucurbitae
Dacus dorsalis
Dialeurodes kirkaldyi
Diocalandra taitensis
Elytroteinus subtruncatus
Ereunetis flavistriata
Eucalymnatus tessellatus
Euscepes postfasciatus
Furcaspis biformis
Haplothrips gowdeyi
Hyalopoplus pellucidus
Lampides boeticus
Lepidosaphes tokionis
Maruca testulalis
Nysius coenosulus
Nysius dallasi
Nysius delectus
Nysius terrestris
Oxydema longulum
Parlatoria crotonis
Parlatoria pseudaspidiotus
Pectinophora gossypiella
Perkinsiella saccharicida
Phenacaspis sandwicensis
Pinnaspis buxi
Pinnaspis uniloba
Pseudococcus palmarum
Pulvinaria psidii
Sinoxylon cornigerum
Sybra alternans
Syritta oceanica
Taeniothrips hawaiiensis
Tubifera arvorum
Xystrocera globosa
HONDURAS:
Anastrepha mombinpraeoptans
Aspidiotus spinosus
Chrysomphalus umboniferus
Conotrachelus perseae
Leucaspis cockerelli
Metamasius sericeus var.
Mimosestes sallaei
Nasutitermes corniger
Pheidole megacephala
Phelomerus aberrans
Stenoma catenifer
"Targionia" sacchari
Vinsonia stellifera
INDIA:
Bruchus emarginatus
Callosobruchus ademptus
Callosobruchus phaseoli
Caryedon fuscus
Chrysomphalus pinnulifera
Cryptorhynchus mangiferae
Cylas formicarius
Cylas formicarius var.
Dacus cucurbitae (?)
Dinoderus brevis
Ferrisiana virgata
Heterobostrychus aequalis
Lepidosaphes tuberculata
Leucinodes orbonalis (?)
Oxycarenus laetus
Parlatoria morrisoni
Pectinophora gossypiella
Sinoxylon anale
Sinoxylon conigerium
INDIA (?):
Stenygrinium quadrinotatum
IRELAND:
Aphis grossulariae (?)
Bruchus ervi
Bruchus lentis
Mamestra brassicae
IRELAND—Continued
Megophthalmus scanicus
Orthezia cataphracta
Thrips angustatus
ISRAEL:
Ceratitis capitata
Cryptoblabes gnidiella
Leucaspis loewi
ITALY:
Acanthoscelides spinipes
Aglossa cuprealis
Aleurolobus olivinus
Anuraphis cynariella
Anuraphis helichrysi
Apion carduorum (?)
Aspidiotus britannicus
Aspidiotus spinosus
Aspidiotus zonatus
Brachycerus albidentatus
Brachycerus algirus
Bruchidius gilvus
Bruchidius lividimonus var.
Bruchus ervi
Bruchus guttalis
Bruchus lentis
Bruchus luteicornis
Bruchus rufipes
Bruchus signaticornis
Bruchus tristiculus
Bruchus tristis
Bruchus ulicis
Capitophorus avellanae (?)
Ceratitis capitata
Ceroplastes rusci
Chrysolina americana
Cryptoblabes gnidiella
Dacus oleae
Dizygomyza flavifrons
Dyspessa ulula
Epidiaspis piricola
Eucalymnatus tessellatus
Evergestis forficalis
Exosoma lusitanica
Hemimene juliana
Homotoma ficus
Iphiclides podalirius
Iridomyrmex humilis
Lampetia equestris
Laspeyresia splendana
Lepidosaphes ficus
Lepidosaphes newsteadi
Leucaspis loewi
Mamestra brassica
Megastigmus suspectus
Microplax interrupta
Myelois ceratoniae
Parlatoria oleae
Parlatoria zizyphus
Penichora fasciata
Phalonia zephyrana
Phloeotribus scarabaeoides
Phyllotreta atra
Phyllotreta cruciferae
Pieris brassicae
Plinthisus brevipennis
Plinthisus minutissimus
Prays oleellus
Psylliodes chrysocephala
Ptosima undecimmaculata
Pyrausta nubilalis
Pyrrhocoris apterus
Rhagoletis cerasi
Sesamia cretica
Sesamia vuteria
Sparteus villosus
Stephanitis pyri
Thrips angusticeps
Trialeurodes lauri
JAMAICA:
Aleurothrixus floccosus
Anastrepha mombinpraeoptans
Asterolecanium epidendri
Chrysomphalus odontoglossi
Chrysomphalus tenax

Countries of origin and insects—Continued

JAMAICA—Continued
Coccus viridis
Dinoderus bifoveolatus
Palaeopus costicollis
Unaspis citri
Vinsonia stellifera
JAPAN:
Acronicta tridens
Anomala orientalis (?)
Antonina sasae
Aonidiella citrina
Aspidiotus cryptomeriae
Callidium rufipenne
Callosobruchus ademptus
Callosobruchus pulcher
Ceroplastes rubens
Chilo simplex
Dialeurodes citri
Dinoderus bifoveolatus
Dinoderus brevis
Laspeyresia splendana
Lepidosaphes chinensis
Lepidosaphes conchiformis
Lepidosaphes japonica
Lepidosaphes newsteadi
Lepidosaphes pallida
Oxycetonia jucunda
Parlatoria camelliae
Parlatoria theae
Pectinophora gossypiella
Phenacaspis aucubae
Phenacoccus azaleae
"Poliaspis" pini
Pseudococcus pini
Reticulitermes speratus
Rhiobia praeceps
Unaspis euonymi
Unaspis yanonensis
Vesiculaphis caracis
KOREA:
Callosobruchus ademptus
Carposina sasakii
Gelasma illiturata
Lepidosaphes conchiformis
KWAJALEIN:
Furcaspis oceanica
Pseudococcus pandani
LEBANON:
Bruchidius incarnatus
Bruchus dentipes
Ceratitis capitata (?)
Chrysomphalus inopinatus
Dacus oleae
Myiopardalis pardalina
Parlatoria oleae
Pectinophora gossypiella
Polychrosis botrana
MADEIRA ISLANDS:
Anuraphis helichrysi
Ceratitis capitata
Cryptoblabes gnidiella
Iridomyrmex humilis
Laspeyresia splendana
Lepidosaphes tuberculata
Phenacoccus madeirensis
MALAYSIA:
Cylas formicarius var.
MALTA:
Ceratitis capitata
MARTINIQUE:
Chrysomphalus personatus
MEXICO:
Acroleucus vicinalis
Aleurocanthus woglumi
Aleuroglandulus emmae
Aleuroparadoxus gardeniae
Aleuroparadoxus ilicicola
Aleuroplatus ilicis
Aleurothrixus floccosus
Aleurothrixus myrtacei
Alpheias conspirata
Amorbia emigratella
Anastrepha ludens
Anastrepha mombinpraeoptans
Anastrepha serpentina (?)
MEXICO—Continued
Anastrepha striata
Antillocoris punctatus
Aspidiotus destructor
Aspidiotus diffinis
Aspidiotus spinosus
Asterolecanium bambusae
Asterolecanium pustulans
Attagenus gloriosae
Automeris randa
Brochymena aculeata
Calligrapha argus
Calligrapha diversa
Capaneus tetricus
Chalcolepidius approximatus
Chelysoma variabilis
Chrysomphalus nigropunctatus
Chrysomphalus personatus
Chrysomphalus scutiformis
Chrysomphalus sphaeroides
Chrysomphalus tenax
Chrysomphalus umboniferus
Coccotrypes pygmaeus
Conchaspis angraeci
Conotrachelus aguacatae
Conotrachelus perseae
Copaxa lavendera
Corimelaena elegans
Cossonus canaliculatus
Crepidodera asphaltina (?)
Crophius scabrosus
Ctenochira cumulata
Cylas formicarius elegantulus
Dialeurodes citri
Dialeurodes citrifolii
Diaspis miranda
Diatraea magnifactella
Diorymerellus laevimargo
Disonycha antennata
Dysdercus mimulus
Emesopsis nubilus
Epicaerus cognatus
Epinotia opposita
Eucalymnatus tessellatus
Eumysia stigmella
Everes comyntas
Evergestis rimosalis
Exptochiomera albomaculata
Exptochiomera oblonga
Ferrisiana virgata
Furcaspis biformis
Gerstaeckeria mutillaria
Gnorimoschema gudmannella
Grapholitha packardi
Icerya littoralis
Ips interstitialis
Iridomyrmex humilis
Jadera sanguinolenta
Kleidocerys godmani
Lepidosaphes philococcus
Lepidosaphes tokionis
Lichtensia lutea
Ligyrocoris abdominalis
Ligyrocoris aurivilliana
Ligyrocoris nitidicollis
Lineodes integra
Lozostege helvialis
Lozostege similalis
Lygaeus circumplicatus
Lygaeus consanguinitus
Lygaeus teapensis
Lygaeus vittiscutis
Macropygium reticulare
Mimosestes dominicanus
Mitrapsylla albolineata
Moodna bisinuella
Mordellistena cattleyana
Myelobia smerintha
Myzaphis bucktoni (?)
Neoleucinodes elegantalis
Neoleucon horribilis
Ogdoecosta biannularis
Ozophora consanguineus
Pachyzancla bipunctalis
Pantomorus godmani

Countries of origin and insects—Continued

MEXICO—Continued
Paraleyrodes citricolus
Paraleyrodes goyabae (?)
Parlatoria camelliae
Parlatoria cinerea
Pectinophora gossypiella
Phatnoma annulipes concisa
Physonota disjuncta
Physorrhinus distigma
Plagiodera semivittata
Plagiodera thymaloides
Platynota rostrana
Platypus rugulosus
Platysaissetia castilloae
Pseudischnaspis alienus
Pseudoparlatoria serratulae
Pulvinaria psidii
Puto mexicanus
Rhagoletis pomonella
Rhagoletis striatella
Rhopalophora incrustata
Sisamnes contractus
Sizeonotus luteiceps
Stenoma anonella
Stenoma catenifer
Stephanoderes lecontei
Talponia batesi
Tanymecus cunfusus
"Targionia" bromiliae
"Targionia" sacchari
Tenthecoris angustimarginatus
Tenthecoris confusus
Tenthecoris distinctus
Tetraleurodes acaciae
Tetraleurodes fici
Tetraleurodes quadratus
Tetraleurodes ursorum
Thrips flavus
Toxotrypana curvicauda
Trialeurodes multipori
Trialeurodes oblongifoliae
Trialeurodes vitrinellus
Unaspis citri
Valtissus diversus
Xylobiops texanus
Zonosemata electa
MIDWAY ISLAND:
Nysius terrestris
MONTSERRAT:
Callosobruchus phaseoli
MOROCCO:
Lampetia equestris
NETHERLANDS:
Acrolepia assectella
Allantus cinctus
Anuraphis helichrysi
Brachyrhinus sulcatus
Bruchus atomarius
Capitophorus chrysanthemi
Dialeurodes chittendeni
Gracilaria azaleella
Ips combrae
Lampetia equestris
Macrosiphoniella oblonga
Mamestra brassicae
Myzus ascalonicus
Pityogenes bidentatus
Pityogenes chalcographus
Rhagoletis alternata (?)
Rhopalosiphoninus tulipaellus
Scolopostethus decoratus
Serica brunnea
Tarsonemus laticeps
Thrips angusticeps
Trionymus peregrinus
Trioza urticae
NETHERLANDS EAST INDIES:
Lepidosaphes tokionis
Stephanoderes hampei
NETHERLANDS WEST INDIES:
Mimosestes dominicanus
NEVIS:
"Targionia" hartii
NEW ZEALAND:
Parlatoria camelliae
NICARAGUA:
Aleurocanthus woglumi
Anastrepha mombinpraeoptans
Chrysomphalus scutiformis
Neoclytus cacicus
Stenoma catenifer
Tetraleurodes acaciae
NIGERIA:
"Chionaspis" funtumiae
"Targionia" sacchari
NORTHERN IRELAND:
Thrips angusticeps
NORWAY:
Argyresthia conjugella
Drymus brunneus
Galerucella lineola
Leucaspis loewi
Pityogenes chalcographus
Tetropium fuscum
Thrips angusticeps
PAKISTAN:
Cryptorhynchus mangiferae
PALAU ISLAND:
Achatina fulica
PANAMA:
Acanthoscelides armitagei
Aleurotrachelus trachoides
Anastrepha mombinpraeoptans
Aspidiotus destructor
Aspidiotus palmae
Asterolecanium pustulans
Ferrisiana virgata
Furcaspis biformis
Heterotermes tenuis
Kalotermes immigrans
Lepidosaphes tokionis
Leucaspis cockerelli
Metamasius sericeus
Pinnaspis buxi
Pseudaonidia tesserata
Stenoma anonella
Stenoma catenifer
PERU:
Anastrepha serpentina
Epinotia opposita
Stenoma catenifer
PHILIPPINES:
Aonidiella inornata
Aspidiotus coryphae
Aspidiotus degeneratus
Aspidiotus destructor
Aspidiotus excisus
Aspidiotus palmae
Aspidiotus spinosus
Callosobruchus phaseoli
Callosobruchus pulcher
Coccus viridis
Cylas formicarius
Cylas formicarius var.
Dacus dorsalis (?)
Dialeuropora setigera
Dinoderus brevis
Ferrisiana virgata
Fiorinia phantasma
Lepidosaphes tokionis
Monomorium destructor
Pachybrachius nietneri
Pantomorus godmani
Parlatoria pseudaspidiotus
Parlatoria zizyphus
Pectinophora gossypiella
Prays endocarpa
Pseudococcus palmarum
Pulvinaria tyleri
Trionymus sacchari
PHILIPPINES (?):
Dialeurodes citri
POLAND:
Bruchus luteicornis
Pityogenes bidentatus
PORTUGAL:
Aglossa cuprealis
Bruchus luteicornis
Bruchus tristiculus
Bruchus tristis

Countries of origin and insects—Continued

PORTUGAL—Continued
Caryedon fuscus
Ceratitis capitata
Dacus oleae
Hypera fasciculata
Iridomyrmex humilis
Laspeyresia splendana
Orthotomicus erosus
Orthotomicus laricis
Pieris brassicae
Sinoxylon sexdentatum
PUERTO RICO:
Acanthoscelides armitagei
Anastrepha mombinpraeoptans
Anastrepha suspensa
Ancylostomia stercorea
Aspidiotus herculeanus
Brachyacma palpigera
Coccus viridis
Cryptotermes brevis
Cylas formicarius elegantulus
Diaprepes abbreviatus var.
Euscepes postfasciatus
Frankliniella insularis
Fundella pellucens
Furcaspis biformis
Gnorimoschema gudmannella
Lechriops psidii
Maruca testulalis
Morganella longispina
Pachyzancla bipunctalis
Pachyzancla periusalis
Pectinophora gossypiella
Platynota rostrana
Protopulvinaria longivalvata
Sphenarches caffer
Stephanoderes depressus
"Targionia" sacchari
Unaspis citri
Vinsonia stellifera
RHODESIA:
Asterolecanium stentae
ST. KITTS:
Pheidole megacephala
"Targionia" hartii
ST. LUCIA:
Acanthoscelidies armitagei
ST. VINCENT:
Callosobruchus phaseoli
SAIPAN:
Achatina fulica
Aspidiotus palmae
SALVADOR:
Anastrepha mombinpraeoptans
Anastrepha serpentina
Aulacaspis tubercularis
Chrysomphalus scutiformis
Cosmopolites sordidus
Ferrisiana virgata
Stenoma catenifer
SAUDI ARABIA:
Dacus oleae
Parlatoria morrisoni
Parlatoria zizyphus
SCOTLAND:
Acalypta parvula
Gelechia ericetella
Lochmaea suturalis
Micrelus ericae
Orthezia cataphracta
Taeniothrips atratus
Taeniothrips ericae
Ulopa reticulata
SIAM:
Nephotettix apicalis
Pachybrachius nigriceps
Parlatoria pseudaspidiotus
Pectinophora gossypiella
SIAM (?):
Dialeurodes kirkaldyi
SOUTH AMERICA:
Stephanoderes hampei
SOUTH PACIFIC:
Perkinsiella vastatrix

SPAIN:
Bruchus signaticornis
Ceratitis capitata
Cryptoblabes gnidiella
Dacus oleae
Epidiaspis piricola
Laspeyresia splendana
Parlatoria cinerea
Parlatoria oleae
Rhagoletis cerasi
STRAITS SETTLEMENTS:
Cylas formicarius var.
SWEDEN:
Anuraphis helichrysi
Argyresthia conjugella
Callidium violaceum
Epidiaspis piricola
Lampetia equestris
Pityogenes chalcographus
Plagiognathus arbustorum
Rhagoletis cerasi (?)
Sehirus biguttatus
Serica brunnea (?)
Taeniothrips atratus
Thrips angusticeps
SWITZERLAND:
Laspeyresia splendana
Myrmedobia tenella
Psylla rhododendri
Pyrausta nubilalis
Rhagoletis cerasi
SYRIA:
Adleria gallae-tinctoriae
Aleurolobus olivinus
Bruchidius quinqueguttatus
Bruchus dentipes
Bruchus ervi
Bruchus rufipes
Bruchus ulicis
Ceratitis capitata
Chrysomphalus inopinatus
Dacus oleae
Dialeurodes kirkaldyi
Hypoborus ficus
Megastigmus pistaciae
Pectinophora gossypiella
TAHITI:
Cylas formicarius var.
Euscepes postfasciatus
TRANSVAAL:
"Chionaspis" exalbida
TRINIDAD:
Acanthoscelides armitagei
Anastrepha mombinpraeoptans
Anastrepha striata (?)
Aspidiotus excisus
Coccus viridis
Conchaspis angraeci
Dercynus micronyx
Eurytoma orchidearum
Furcaspis biformis
Gymnandrosoma aurantianum
Mimosestes dominicanus
Neodryocoetes caribaeus
Parlatoria pseudaspidiotus
Protopulvinaria longivalvata
Protopulvinaria pyriformis
Pseudaonidia trilobitiformis
Pulvinaria psidii
Vinsonia stellifera
TRIPOLI:
Dacus oleae
TUNISIA:
Aspidiotus zonatus
Epicometis hirta
TURKEY:
Acanthoscelides spinipes
Bruchidius quinqueguttatus
Bruchus brachialis
Bruchus dentipes
Bruchus ervi
Bruchus hamatus

Countries of origin and insects—Continued

TURKEY—Continued
Bruchus rufipes
Bruchus tristis
Bruchus ulicis
Ceratitis capitata
Eurytoma onobrychidis
UNION OF SOUTH AFRICA:
Antestia variegata lineaticollis
Argyroploce leucotreta
Carbula marginella
Cletus ochraceus
Haplothrips bagnalli
Homothrips distinctus
Iridomyrmex humilis
Paromius gracilis
Phlyctinus callosus
Stenoscelis hylastoides
UNKNOWN:
Ceratitis capitata
Ceutorhynchus assimilis
Chrysomphalus pinnulifera
Cryptoblabes gnidiella
Cryptorhynchus mangiferae
Haplothrips cottei
Lema bilineata
Melolontha melolontha
Pseudaonidia trilobitiformis
Rhagoletis alternata
Selenothrips rubrocinctus
Stenoma catenifer
Thrips flavus
VENEZUELA:
Anastrepha mombinpraeoptans
Asterolecanium epidendri
Chrysomphalus tenax
Chrysomphalus umboniferus
Coccus viridis
Conchaspis angraeci
Cryptotermes brevis
Epinotia opposita
Eurytoma orchidearum
Euscepes postfasciatus
Ferrisiana virgata
Furcaspis biformis
Maruca testulalis
Neoclytus cacicus
Pectinophora gossypiella
Protopulvinaria longivalvata
Protopulvinaria pyriformis
Pseudischnaspis alienus
Tenthecoris venezuelensis
Vinsonia stellifera
VIRGIN ISLANDS
Anastrepha mombinpraeoptans (?)
Ceroplastes denudatus
Euscepes postfasciatus
Pectinophora gossypiella
WEST INDIES:
Euscepes postfasciatus
Pulvinaria urbicola
YUGOSLAVIA:
Myelois ceratoniae

List of pests (diseases) collected and reported from July 1, 1949, to June 30, 1950, inclusive

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Alternaria citri Ell. & Pierce:					
Citrus limon (lemon)	Italy, Lebanon		1	1	Pa., Va.
Citrus sinensis (orange)	Australia		1		Calif.*
Alternaria dianthi F. L. Stevens & J. G. Hall:					
Dianthus sp. (carnation)	France, Japan, Peru	3		1	N. Y., Tex., Wash.
Alternaria porri (Ell.) Cif.:					
Allium cepa (onion)	Mexico	1			Tex.
Aphanomyces raphani Kendr.:					
Raphanus sativus (radish)	do	4			Tex.
Aphelenchoides ribes (Taylor) Goodey (?):					
Soil with lavender plant	England			1	N. Y.
Aphelenchoides subtenuis Cobb:					
Iris orchioides (orchid iris)	Netherlands			1	N. J.
Narcissus sp.	Italy			1	N. J.
Aphelenchus agricola De Man:					
Soil with carnation plant	do			1	N. Y.
Aphelenchus avenae Bastian:					
Soil with carnation cutting	do			1	N. Y.
Soil with dahlia tubers	Poland			1	N. Y.
Soil with herbaceous perennials	Germany			1	N. J.
Soil with potted origanum plant	Turkey		1		Pa.
Arthrobotrys superba Cda.:					
Medicago sp.	Canada			1	N. J.
Ascochyta citri Penz. (?):					
Citrus limon (lemon)	Italy	1			Pa.
Citrus sinensis (orange)	Fiji Islands		1		Hawaii.
Ascochyta pisi Lib.:					
Pisum sativum (pea)	Azores, Mexico, Peru	6	2		N. Y., Tex.
Vicia faba (broadbean)	Italy		1		N. Y.
Botryosphaeria ribis (Fr.) Gross. & Dugg.:					
Salix sp. (willow)	Argentina			1	N. Y.

List of pests (diseases) collected and reported from July 1, 1949, to June 30, 1950, inclusive—Continued

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Botrytis elliptica (Berk.) Cke.:					
Lilium auratum (goldband lily)	Japan	1		3	Calif.*
Lilium giganteum (giant lily)	do			1	Calif.*
Lilium japonicum (Japanese lily)	do			1	Calif.*
Lilium rubellum (rubellum lily)	do			1	Calif.*
Lilium speciosum rubrum (pink speciosum lily).	do			8	Calif.*
Lilium sp	China, Japan			7	Calif.*
Botrytis galanthina (Berk. & Br.) Sacc.:					
Galanthus nivalis plenus	Netherlands			1	N. J.
Galanthus sp	Netherlands, Turkey			23	Calif.*, Mich., Ohio, N. J., N. Y.
Botrytis gladiolorum Timmermans:					
Gladiolus sp	Mexico	1			Tex.
Camellia yellow-spot virus:					
Camellia japonica (camellia)	Italy			1	N. J.
Camillea sagraena (Mont.) Berk. & Curt.:					
Laelia sp. (orchid)	Panama			1	Pa.
Cancrosis "B":					
Citrus limon (lemon)	Argentina		4		Md., Mass., N. Y., Tex.
Cercospora bolleana (Thuem.) Speg.					
Ficus carica (fig)	Mexico			1	Tex.
Cercospora capparidis Sacc.:					
Capparis spinosa (?) (caper)	Yugoslavia	1			N. Y.
Cercospora codiaei Frag. & Cif.:					
Codiaeum sp. (croton)	Mexico			1	Tex.
Cercospora coffeicola Berk. & Cke.:					
Coffea sp. (coffee)	Brazil, British West Indies.	1	1		Ala., Tex.
Cercospora fraxinites Ell. & Ev.:					
Fraxinus berlandieriana (berlandier ash)	Mexico	1			Tex.
Fraxinus sp. (ash)	do	1			Tex.
Cercospora gossypina Cke.:					
Gossypium sp. (cotton)	do	1			Tex.
Cercospora handelii Bub.:					
Rhododendron indicum (indica azalea)	Belgium			1	N. J.
Rhododendron sp	Belgium, Netherlands			9	N. J.
Cercospora insulana (Sacc.) Chupp:					
Armeria sp. (statice)	Mexico	1			Tex.
Cercospora lythracearum Heald & Wolf:					
Punica granatum (pomegranate)	Mexico, Puerto Rico	5			N. Y., Tex.
Cercospora musae Zimm.:					
Musa paradisiaca sapientum (banana)	Brazil, Canal Zone, Colombia, Costa Rica, Cuba, Dominican, Republic, Ecuador, Grenada, Guatemala, Haiti, Honduras, India, Martinique, Mexico, Panama.	173	4		Calif.*, La., Md., Mass., N. Y., Pa., S. C., Tex.
Cercospora neriella Sacc.:					
Nerium oleander (oleander)	Bermuda	3			N. Y.
Cercospora oryzae Miyake:					
Oryza sativa (rice)	Mexico	2			Tex.
Cercospora physalicola Ell. & Barth.:					
Physalis sp. (husk tomato)	do	1			Tex.
Cercospora pini-densiflorae Hori & Nambu:					
Pinus massoniana (Masson pine)	China			2	Calif.*, Hawaii
Cercospora ricinella Sacc. & Berl.:					
Ricinus communis (castor-bean)	Mexico	1			Tex.
Cercospora sorghi Ell. & Ev.:					
Sorghum halepense (Johnson grass)	do	1			Tex.
Cercospora violae Sacc.:					
Viola tricolor (pansy)	Italy	1			N. Y.
Chaetomium elatum G. Kunze & Schm.:					
Oryza sativa (rice)	Mexico	1			Tex.

List of pests (diseases) collected and reported from July 1, 1949, to June 30, 1950, inclusive—Continued

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
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Chlamydomyces palmarum (Cke.) Mason:					
Colocasia esculenta (dasheen)	China	1			Calif.*
Chrysomyxa rhododendri (DC.) D By.:					
Rhododenron ferrugineum	Austria, Germany, Switzerland.	3		2	Mass., N. Y.
Rhododendron sp	Austria, Switzerland			2	N. J.
Colletotrichum agaves Cav.:					
Agave americana (century plant)	Mexico	1			Tex.
Colletotrichum cajani Rangel:					
Cajanus cajan (pigeonpea)	Puerto Rico	10			N. Y., P. R.
Colletotrichum cinctum (Berk. & Curt.) Ston.:					
Cymbidium sp. (orchid)	England			1	Hawaii.
Orchid	Mexico			1	Ariz.
Colletotrichum falcatum Went:					
Saccharum officinarum (sugarcane)	Haiti, Mexico	2			Fla.*, Tex.
Sorghum halepense (Johnson grass)	Mexico	1			Tex.
Colletotrichum graminicolum (Ces.) G. W. Wils:					
Grass	do	1			Tex.
Sorghum vulgare (sorghum)	China			1	D. C.
Sorghum vulgare technicum (broomcorn)	Mexico	1			Tex.
Colletotrichum liliacearum (Schw.) Ferr.:					
Iris sp	England			1	Calif.*
Colletotrichum lilii Plakidas:					
Lilium auratum (goldband lily)	Japan	1		19	Calif.*, Wash.
Lilium candidum (Madonna lily)	Netherlands			1	N. Y.
Lilium giganteum (giant lily)	Japan			3	Calif.*, Wash.
Lilium japonicum (Japanese lily)	do			4	Calif.*, Wash.
Lilium longiflorum (Easter lily)	Mexico	1			Tex.
Lilium philippinense (Philippine lily)	Japan			1	Wash.
Lilium rubellum (rubellum lily)	do			1	Calif.*
Lilium speciosum rubrum (pink speciosum lily).	do			28	Calif.*, Wash.
Lilium tigrinum (tiger lily)	do			5	Calif.*, Wash.
Lilium sp	China, Japan	1		11	Calif.*, Wash.
Colletotrichum omnivorum Halst.:					
Aspidistra sp	Belgium			1	N. J.
Colletotrichum pisi Pat.:					
Pisum sativum (pea)	Mexico	4			Tex.
Coniosporium shiraianum (Syd.) Bub.:					
Bamboo	Japan			1	Wash.
Coniothyrium hellebori Cke. & Mass.:					
Helleborus niger (Christmas-rose)	Netherlands			1	N. J.
Helleborus sp	England			1	Wash.
Coryneum beijerinckii Oud.:					
Prunus armeniaca (apricot)	Austria	1			N. Y.
Prunus persica (peach)	Italy, Mexico	3			N. Y., Tex.
Coryneum microstictum Berk. & Br.:					
Rosa sp	Netherlands			1	Wash.
Vitis sp. (grape)	Scotland			1	N. J.
Cronartium ribicola Alek. Fisch.					
Ribes sp. (red currant)	Denmark			1	N. Y.
Cryptospora longispora Servazzi (?):					
Cocos nucifera (coconut)	Mexico	1			Tex.
Curvularia lunata (Wakk.) Boed.:					
Allium cepa (onion)	do	1			Tex.
Ananas comosus (pineapple)	do	1			Tex.
Gladiolus sp	French Guinea, Mexico	1		1	D. C., Tex.
Cycloconium oleaginum Cast.:					
Olea europaea (olive)	Italy	1			N. Y.
Cytospora punica Sacc. (?):					
Punica granatum (pomegranate)	Mexico	1			Tex.
Diaporthe eres Nits.:					
Malus sylvestris (apple)	Sweden		1		Pa.
Diplocarpon earliana (Ell. & Ev.) Wolf:					
Fragaria sp. (strawberry)	Norway			1	N. Y.
Diplodia castaneae Sacc.:					
Castanea sp. (chestnut)	Italy	1			Tex.
Diplodia epicocos Cke.:					
Cocos nucifera (coconut)	Mexico	2	1		Tex.

List of pests (diseases) collected and reported from July 1, 1949, to June 30, 1950, inclusive—Continued

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Diplodia theobromae (Pat.) Nowell:					
Achras zapota (sapodilla)	Puerto Rico	1			P. R.
Allium cepa (onion)	Mexico	1			Tex.
Ananas comosus (pineapple)	do	2			Tex.
Areca cathecu (betel palm)	Philippines	1			Hawaii.
Citrus limon (lemon)	Italy	1			N. Y.
Dendrobium phalaenopsis (orchid)	Australia			1	Calif.*
Manihot esculenta (cassava)	Philippines			1	Calif.*
Nymphaea sp. (waterlily)	Cuba	1			N. Y.
Orchid	Mexico			2	Tex.
Theobroma cacao (cacao)	Dominican Republic	1			N. Y.
Diplodiella oryzae Miyake:					
Oryza sativa (rice)	China	1			Wash.
Diplodina rostrupii Vest.:					
Andromeda sp	Netherlands			1	N. J.
Discosia artocreas Fr.:					
Gaultheria shallon (salal)	Canada			1	Calif.*
Ditylenchus dipsaci (Kuhn) Filip.:					
Galtonia candicans (summer-hyacinth)	Netherlands			1	N. J.
Ditylenchus intermedius (de Man) Filip.:					
Soil with unidentified roots	Germany			1	N. Y.
Elsinoe australis Bitanc. & Jenkins:					
Citrus aurantifolia (lime)	Brazil		1		Calif.*
Citrus limon (lemon)	Argentina, Brazil	1	41		Ala., Calif.*, La., Md., N.Y., Pa., Tex., Va.
Citrus paradisi (grapefruit)	Brazil		1		N. Y.
Citrus reticulata (Mandarin orange)	do		2		N. Y., Pa.
Citrus sinensis (orange)	Argentina, Brazil	2	40		Ala., Calif.*, Fla.*, La., Md., Mass., N. Y., Pa., Tex.
Citrus sp. (orange)	do		9		Fla.*, Md., N. Y.
Elsinoe phaseoli Jenkins:					
Phaseolus lunatus macrocarpus (lima bean)	Cuba, Puerto Rico	8			N. Y.
Entyloma oryzae Syd. & P. Syd.:					
Oryza sativa (rice)	Mexico	1			Tex.
Erwinia citrimaculans (Doidge) Magrou:					
Citrus limon (lemon)	Italy	6			N. Y.
Eucephalobus oxyuroides (de Man) Steiner:					
Unidentified plant	do			1	N. Y.
Exobasidium vaccinii (Fckl.) Woron.:					
Rhododendron indicum (indica azalea)	Belgium			1	N. J.
Fabraea maculata Atk.:					
Cydonia oblonga (quince)	Mexico	1			Tex.
Fusarium oxysporum Schlecht.:					
Crocus sp	Netherlands			1	Tex.
Fusarium oxysporum Schlecht. f. *cepae* (Hanz.) Snyd. & Hansen:					
Allium cepa (onion)	Mexico	2			Tex.
Fusarium oxysporum Schlecht. f. *gladioli* (Massey) Snyd. & Hansen:					
Gladiolus sp	England, Netherlands			26	Ala., Mich., N. Y., Pa., S. C., Tex.
Fusarium oxysporum Schlecht. f. *lycopersici* Sacc.:					
Lycopersicon esculentum (tomato)	Mexico	1			Tex.
Fusarium oxysporum Schlecht. f. *narcissi* Snyd. & Hansen:					
Narcissus sp	England, Netherlands			12	Calif.*, Minn., N. J., Tex.
Fusarium oxysporum Schlecht. f. *niveum* (E. F. Sm.) Snyd. & Hansen:					
Citrullus vulgaris (watermelon)	Mexico	1			Tex.
Fusarium oxysporum Schlecht. f. *tuberosi* Wr.:					
Solanum tuberosum (potato)	Denmark, Mexico	1	1		Tex., Wash.

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Fusicladium depressum (Berk. & Br.) Sacc.:					
Foeniculum vulgare (fennel)	Czechoslovakia	1			N. Y.
Fusicladium eriobotryae Cav.:					
Eriobotrya japonica (loquat)	Italy	2			N. Y.
Fusicladium pyracanthae (Otth) Rostr.:					
Pyracantha kasan	Netherlands			1	N. J.
Pyracantha sp	do			1	N. J.
Fusicoccum galericulatum Sacc.:					
Fagus sylvatica (European beech)	do			1	N. J.
Fagus sylvatica atropurpurea	do			1	N. J.
Gliomastix convoluta (Harz.) Mason:					
Eleocharis dulcis (waternut)	China	12			Calif.*
Pueraria thunbergiana (kudzu-bean)	do	8			Calif.*
Scilla hispanica (Spanish squill)	Netherlands			1	Calif.*
Solanum tuberosum (potato)	Australia		1		Calif.*
Zingiber officinale (ginger)	China	44			Calif.*
Gloeodes pomigena (Schw.) Colby:					
Malus sylvestris (apple)	Germany, Japan, Mexico.	3			Minn., N. Y., Tex.
Gloeosporium catechu Syd.:					
Areca cathecu (betel palm)	Guam	1			Mass.
Gloeosporium epidendri P. Henn.:					
Epidendrum skinneri (orchid)	Costa Rica			1	Hawaii.
Gloeosporium leguminum (Cke.) Sacc.:					
Prosopis sp. (mesquite)	Mexico	4			Tex.
Gloeosporium piperatum Ell. & Ev.:					
Capsicum frutescens longum (red pepper)	Gold Coast		1		Pa.
Gloeosporium sansevieriae Verwoerd & du Plessis:					
Sansevieria sp	Canal Zone			1	Calif.*
Glomerella cincta (Ston.) Spauld. & Schrenk:					
Laelia anceps (orchid)	Mexico			1	Tex.
Gnomonia iliau Lyon:					
Saccharum officinarum (sugarcane)	do	1			Tex.
Gymnosporangium haraeanum Syd.:					
Chaenomeles lagenaria (flowering quince)	Japan			1	Wash.
Helminthosporium nodulosum Berk. & Curt.:					
Dactyloctenium aegyptium	Philippines	1			Oreg.
Helminthosporium oryzae Breda de Haan:					
Oryza sativa (rice)	Cuba, Greece, Mexico	3			N. J., N. Y., Tex.
Helminthosporium torulosum (Syd.) Ashby:					
Musa paradisiaca (plantain)	Cuba	6			N. Y.
Musa paradisiaca sapientum (banana)	Pakistan	1			N. Y.
Helminthosporium turcicum Pass.:					
Sorghum vulgare (sorghum)	Mexico	1			Tex.
Hendersonia opuntiae Ell. & Ev.:					
Opuntia compressa (pricklypear)	do	1			Tex.
Hendersonia sarmentorum West.:					
Vitis sp. (grape)	Italy			1	N. Y.
Heterodera avenae Eidam:					
Soil with fig cuttings	do			1	N. Y.
Heterodera goettingiana Liebscher:					
Soil with *Sempervivum* sp	do			1	N. Y.
Heterodera punctata Thorne:					
Soil with cactus plant	Ireland			1	N. Y.
Soil with carrots	Netherlands		1		Va.
Soil with chrysanthemum plants	England			1	Wash.
Soil with dahlia tuber clumps	do			1	N. J.
Soil with wild flower plants	Norway			1	N. J.
Soil with clumps of *Iris germanica*	Germany			1	Calif.*
Soil with *Lavendula* sp	England			1	N. J.
Soil with orchid roots	do			1	N. J.
Soil with potatoes	England, Norway		3		Calif.*, Md., Va.
Soil with *Prunus* sp	England			1	N. J.
Soil with *Rubus* sp	Netherlands			1	N. J.
Soil with shamrock plants	Ireland, Northern Ireland			5	N. Y.
Soil with *Valeria* roots	Netherlands	2			N. Y.
Soil	France, Germany	2		1	N. J., N. Y.

List of pests (diseases) collected and reported from July 1, 1949, to June 30, 1950, inclusive—Continued

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Heterodera rostochiensis Wr.:					
Screenings from oat straw packing	England	1			N. Y.
Soil with *Acacia* plants	Argentina			1	N. Y.
Soil with beets	England		1		Va.
Soil from bin containing beets, onions, and parsnips.	Scotland		1		Wash.
Soil with cabbage	Ireland		1		Md.
Soil with carrots	England, Ireland, Netherlands.		7		Md., Mass., N. Y., Pa., S. C., Tex., Va.
Soil with *Calluna* sp. roots	Wales			1	N. J.
Soil with celeriac	Netherlands		1		La.
Soil with celery	England, France, Netherlands.		7		Md., Mass., N. Y., Tex., Va.
Soil with convallaria pips	Germany			1	N. Y.
Soil with cyclamen plant	Denmark			1	N. Y.
Soil with dahlia	England			2	N. J.
Soil with *Erica* sp. plants	do			1	N. J.
Soil with *Fuchsia* plants	do			1	N. Y.
Soil with heather plants	Scotland			5	Ill., N.J., N.Y.
Soil with *Heuchera* plant	Poland			1	N. Y.
Soil with *Helleborus niger* roots	Netherlands			1	N. J.
Soil with hollyhock plants and *Tritonia* corms.	England			1	Ill.
Soil with *Lavendula* sp	do			1	N. J.
Soil with leeks	do		1		Pa.
Soil with *Ligustrum* plants	do			1	N. J.
Soil with lily-of-the-valley pips	Germany			5	Calif.,* N. Y.
Soil with maidenhair fern	England			1	Mass.
Soil with parsnips	do		1		Wash.
Soil with miscellaneous plants	England, Ireland			2	N. Y.
Soil with potatoes	Denmark, England, Ireland, Scotland, Sweden.		10		Calif.,* La., Md., N. Y. Pa., Va., Wash.
Soil with rutabagas	England, Netherlands		2		La., Va.
Soil with saxifraga plants	England			1	N. J.
Soil with shamrock plants	Ireland, Northern Ireland.	3		9	Ill., Mass., N. Y., Pa.
Soil with tulip bulbs	England			3	N. Y.
Soil with turnips	England, Netherlands		5		La., N. Y., Va.
Soil	Ireland, Scotland			2	N. J., N. Y.
Heterodera schachtii Schmidt:					
Soil with carnation plants	Italy			1	N. Y.
Soil with lily-of-the-valley pips	Germany			2	Calif.,* N. J.
Soil with *Galanthus* sp. bulbs	do			1	N. J.
Soil with potted succulents	France			1	Calif.*
Soil with *Prunus* sp	England			1	N. J.
Soil with turnips	Netherlands		1		Wash.
Soil with unidentified roots	Germany			1	N. Y.
Soil	France	1			N. J.
Heterosporium ornithogali (Klotzsch) Cke.: *Ornithogalum thyrsoides* (chinkerichee)	Union of South Africa	3			Pa.
Heterosporium variabile Cke.: *Chrysanthemum* sp.	Scotland	1			N. Y.
Hormodendrum cladosporioides (Fres.) Sacc.: *Carica papaya* (papaya)	Mexico	1			Tex.
Cydonia oblonga (quince)	do	1			Ariz.
Isariopsis griseola Sacc.: *Phaseolus lunatus macrocarpus* (lima bean)	Puerto Rico	1			N. Y.
Laestadia minuiscula (Lev.) Sacc.: *Codiaeum* sp. (croton)	Philippines (?)		1		Wash.
Leptosphaeria rusci (Wallr.) Sacc.: *Ruscus* sp.	Italy	3			Pa.
Leptosphaeria sacchari Breda de Haan: *Saccharum officinarum* (sugarcane)	Mexico	1			Tex.

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Leptosphaeria salvinii Catt.:					
Oryza sativa (rice)	Japan	1			Hawaii.
Leptosphaeria tritici (Garov.) Pass.:					
Triticum aestivum (wheat)	do	1			Calif.*
Leptosphaeria typharum (Desm.) Karst.:					
Typha sp. (cattail)	Mexico	1			Tex.
Leptothyrium pomi (Mont. & Fr.) Sacc.:					
Malus sylvestris (apple)	Algeria, Austria, Mexico, Spain.	7	1		N. Y., Pa., Tex.
Lophodermium pinastri (Fr.) Chev.:					
Pinus sp. (2-leaved pine)	Sweden			1	N. Y.
Pinus sp.	Mexico	1			Tex.
Macrophoma musae (Cke.) Berl. & Vogl.:					
Musa paradisiaca sapientum (banana)	Costa Rica, Panama, Philippines.	3			Calif.*
Macrophoma oleae (DC.) Berl. & Vogl.:					
Olea europaea (olive)	Italy, Saudi Arabia	3			N. Y., Pa.
Macrophomina phaseolina (Tassi) Goid.:					
Allium sativum (garlic)	Italy	1			N. Y.
Arachis hypogaea (peanut)	Gold Coast			1	D. C.
Eleocharis dulcis (waternut)	China	1			N. Y.
Maravalia hyalospora (Saw.) Diet.:					
Acacia confusa	do			1	Hawaii.
Marmor cucumeris Holmes:					
Cucurbita maxima (squash)	Mexico	1			Tex.
Marmor fragariae Holmes:					
Fragaria sp.	England			1	N. J.
Melampsoridium betulinum (Pers.) Kleb.:					
Betula sp. (birch)	Finland			1	N. Y.
Melanconium betulinum Fr.:					
Betula sp. (birch)	England	1			Pa.
Melanospora zamiae Cda.:					
Pueraria thunbergiana (kudzu-bean)	China	3			Calif.*
Zingiber officinale (ginger)	do	7			Calif.*
Meliola citricola Syd.:					
Citrus sp.	do	1			Hawaii.
Meliola tenella Pat.:					
Murraya paniculata (jasmin-orange)	Siam (?)	1			Hawaii.
Meloidogyne arenaria (Neal) Chitwood:					
Begonia sp.	Belgium			2	N. J.
Memnoniella echinata (Rivolta) L. O. Gall.:					
Allium sativum (garlic)	Mexico	1			Tex.
Cattleya citrina (orchid)	do			1	Tex.
Citrus grandis (pummelo)	China		1		Calif.*
Musa paradisiaca sapientum (banana)	Philippines			1	Calif.*
Trapa natans (waterchestnut)	China	1			Calif.*
Zingiber officinale (ginger)	China, Tahiti	40			Calif.*, Wash.
Monilinia fructicola (Wint.) Honey:					
Prunus persica (peach)	Mexico	3	1		Tex.
Monilinia fructigena (Aderh. & Ruhl.) Honey:					
Cydonia oblonga (quince)	Italy	1			N. Y.
Prunus persica (peach)	France		1		Pa.
Monilinia laxa (Aderh. & Ruhl.) Honey:					
Prunus cerasus (sour cherry)	Australia		1		Calif.*
Prunus persica (peach)	Guatemala	1			La.
Monochaetia paeoniae (Maub.) Sacc. & D. Sacc.:					
Paeonia suffruticosa (tree peony)	Japan			2	Calif.*
Mycosphaerella brassicola (Fr. ex Duby) Lindau:					
Brassica oleracea capitata (cabbage)	Ireland		1		Pa.
Mycosphaerella caryophylli (Pass.) Cruch.:					
Dianthus sp. (carnation)	Guatemala	1			Tex.
Mycosphaerella citrullina (C. O. Sm.) Gross:					
Cucurbita maxima (squash)	Mexico	1			Tex.
Sechium edule (chayote)	Guatemala		1		La.
Mycosphaerella filicum (Desm.) Schroet.:					
Fern frond	Japan	1			Hawaii.
Mycosphaerella fragariae (Tul.) Lindau:					
Fragaria sp. (strawberry)	Italy			1	Mass.

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Mycosphaerella opuntiae (Ell. & Ev.) Dearn.:					
Echinocactus sp. (cactus)	Mexico			1	Tex.
Thelocactus bicolor (cactus)	do			1	Tex.
Mycosphaerella pomi (Pass.) Lindau:					
Malus sylvestris (apple)	do	1			Tex.
Mycosphaerella rhododendri (Cke.) G. H. Martin:					
Rhododendron indicum (indica azalea)	Belgium			1	N. J.
Rhododendron sp	Netherlands			1	N. J.
Myrothecium verrucaria (Alb. & Schw.) Ditm. ex Fr.:					
Vanilla sp. (orchid)	Palau Island			1	Hawaii.
Mystrosporium adustum Mass.:					
Iris reticulata (netted iris)	Netherlands			2	Ohio, Pa.
Nigrospora sphaerica (Sacc.) Mason:					
Cymbopogon citratus (lemon grass)	Straits Settlements		1		Calif.*
Oryza sativa (rice)	China, Japan		2		Calif.*
Omphalia flavida (Cke.) Maub. & Rangel:					
Gardenia augusta (gardenia)	Guatemala, Mexico	1		2	La., Tex.
Ophiostoma narcissi Limber:					
Narcissus sp	Ireland, Netherlands			2	N. J.
Papulaspora dodgeii Conners:					
Allium ascalonicum (shallot)	France	1			N. J.
Papulaspora parasitica (Eidam) Harz.:					
Allium cepa (onion)	England	1			Calif.*
Scilla hispanica (Spanish squill)	Netherlands			2	Calif.*
Trapa natans (water chestnut)	China	1			Calif.*
Tulipa sp	Netherlands			1	Calif.*
Peronospora effusa (Grev.) Rab.:					
Spinacia oleracea (spinach)	Mexico	2			Ariz.
Pestalotia conspicua Servazzi:					
Epidendrum sp. (orchid)	do			1	Calif.*
Laelia anceps (orchid)	do			2	Calif.*, Tex.
Odontoglossum citrosmum (orchid)	do			1	Calif.*
Pestalotia funerea Desm.:					
Cryptomeria japonica (cryptomeria)	Japan			1	Calif.*
Taxus cuspidata (Japanese yew)	do			1	Wash.
Pestalotia gibbosa Harkn.:					
Gaultheria shallon (salal)	Canada			1	Calif.*
Pestalotia guepini Desm.:					
Camellia sp	England			1	Calif.*
Pestalotia macrotricha Kleb.:					
Rhododendron sp	Netherlands			2	N. J.
Pestalotia palmarum Cke.:					
Cocos nucifera (coconut)	Venezuela		1		Pa.
Pestalotia peregrina Ell. & Mart.:					
Pinus massoniana (Masson pine)	China			1	Calif.*
Pestalotia psidii Pat.:					
Psidium guajava (guava)	Mexico	1			Tex.
Pestalotia rhododendri (D. Sacc.) Guba:					
Rhododendron sp	Netherlands			1	N. J.
Pestalotia scirrofaciens N. A. Brown:					
Achras zapota (sapodilla)	Mexico	1			Tex.
Phoma citricarpa McAlp.:					
Citrus aurantifolia (sour lime)	American Samoa	1			Hawaii.
Citrus limon (lemon)	Australia, China	1	5		Mass,, N. Y., Pa.
Citrus reticulata (Mandarin orange)	Australia, China, Japan	41	2		Calif.*, Hawaii Mass., N. Y.
Citrus reticulata var. (King orange)	China, Japan	2	1		Calif.*,Hawaii, Mich.
Citrus sinensis (orange)	Argentina, Australia, Brazil, China, Japan, Philippines, Straits Settlement, Tasmania, Union of South Africa.	69	11		Calif.*,Hawaii, Md., Mass., N. Y.
Citrus sp. (orange)	China	4			Mass., N. Y.
Citrus sp	do	1			Hawaii.
Phoma viticola Sacc.:					
Vitis sp. (grape)	Italy			1	N. Y.

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Phomopsis corni Trav.:					
Cornus florida (flowering dogwood)	Netherlands			1	N. J.
Phragmidium disciflorum (Tode) James:					
Rosa sp	Germany, Italy	3		1	N. Y.
Phragmotrichum chailletii G. Kunze:					
Picea abies (spruce)	Germany	1			N. Y.
Phyllosticta glumarum (Ell. & Tracy) Miyake:					
Oryza sativa (rice)	Japan	1			Calif.*
Phyllosticta laeliae Keissl.:					
Cattleya sp. (orchid)	Brazil			1	Calif.*
Laelia sp. (orchid)	Mexico			1	Tex.
Phyllosticta mortoni Fairm.:					
Mangifera indica (mango)	do	2			Tex.
Phyllosticta nigro-maculans Sacc.:					
Vanda sanderiana (orchid)	Philippines			1	Hawaii.
Phyllosticta ruscicola Dur. & Mont.:					
Ruscus sp	Italy	3		1	N. Y., Pa.
Phyllosticta sorghina Sacc.:					
Sorghum vulgare (sorghum)	India			1	D. C.
Physalospora camptospora Sacc.:					
Dendrobium undulatum (orchid)	Australia			1	Hawaii.
Physalospora obtusa (Schw.) Cke.:					
Malus sylvestris (apple)	Italy		1		Pa.
Salix sp	do		1		Pa.
Vitis sp. (grape)	Portugal			1	N. Y.
Plectus parietinus Bastian:					
Colchicum autumnale (autumn crocus)	Netherlands			1	N. J.
Soil with various plants	England			1	N. Y.
Pleospora herbarum (Pers.) Rab.:					
Cytisus sp	do	1			Mass.
Pseudomonas marginata (McCull.) Stapp:					
Gladiolus sp	Japan			1	Calif.*
Pseudomonas savastanoi (E. F. Sm.) F. L. Stevens:					
Olea europaea (olive)	Italy	1			Mass.
Pseudomonas syringae v. Hall:					
Citrus limon (lemon)	do	1			N. Y.
Pseudomonas tonelliana (Ferr.) Breed:					
Nerium oleander (oleander)	Italy, Mexico (?)			2	N. Y., Tex.
Puccinia antirrhini Diet. & Holw.:					
Antirrhinum majus (snapdragon)	Germany	1			N. Y.
Puccinia arenariae (Schum.) Wint.:					
Dianthus barbatus (sweet-william)	Netherlands	1		1	N. Y.
Puccinia chrysanthemi Roze:					
Chrysanthemum sp	Japan			1	Wash.
Puccinia cyperi Arth.:					
Cyperus sp. (?)	Philippines	1			Md.
Puccinia graminis Pers. var. *tritici* Eriks. & E. Henn.:					
Triticum aestivum (wheat)	Germany, Italy	1	1		Tex., Wash.
Puccinia hieracii (Schum.) Mart.:					
Cichorium sp	Canada			1	N. Y.
Puccinia longicornis Pat. & Hariot:					
Sasa kurilensis (bamboo)	Japan			1	D. C.
Puccinia obtecta Pk.:					
Scirpus sp. (tule)	Mexico	1			Tex.
Puccinia ornithogali-thyrsoides Diet.:					
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa	1			Pa.
Puccinia phragmites (Schum.) Koern.:					
Phragmites communis (reed)	Denmark, Netherlands	2			Calif.*, N. Y.
Puccinia rubigo-vera (DC). Wint. f. *secalis* (Eriks.) Carleton:					
Secale cereale (rye)	Italy	1			Wash.
Puccinia sorghi Schw.:					
Zea mays (corn)	Mexico	1			Calif.
Puccinia urbaniana P. Henn.:					
Stachytarpheta jamaicensis	Puerto Rico	1			N. Y.
Stachytarpheta sp	do	1			P. R.

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Pyrenochaeta phlogis Mass.:					
Phlox sp.	New Zealand			1	Hawaii.
Pythium splendens H. Braun:					
Dendrobium pulchellum (orchid)	Siam			1	Hawaii.
Ramularia tulasnei Sacc.:					
Fragaria sp. (strawberry)	France, Netherlands		1	2	D. C., N. J., N. Y.
Ravenelia arizonica Ell. & Ev.:					
Prosopis sp. (mesquite)	Mexico		1		Tex.
Schizophyllum radiatum Fr.:					
Boswellia serrata ("salai" wood)	India	1			N. Y.
Malus sylvestris (apple)	Mexico	1			Ariz.
Sclerotinia bulborum (Wakk.) Rehm. (?):					
Fritillaria imperialis (crown-fritillary)	Netherlands			1	Oreg.
Sclerotinia kerneri Wettst.:					
Abies sp. (fir)	Germany	1			Mass.
Sclerotinia minor Jagger:					
Cichorium endivia (endive)	Belgium	8	1		N. Y.
Sclerotium cepivorum Berk.:					
Allium sativum (garlic)	Italy	27			N. Y.
Septonema atrum Sacc.:					
Dalhia sp.	Mexico			1	Calif.*
Septoria alliorum West.:					
Allium porrum (leek)	France		1		Pa.
Septoria azaleae Vogl.:					
Rhododendron indicum (indica azalea)	Belgium			3	N. J.
Rhododendron luteum	Netherlands			1	N. J.
Rhododendron obtusum kaempferi	do			1	N. J.
Rhododendron sp.	do			11	D. C., N. J.
Septoria chrysanthemi Allesch.:					
Chrysanthemum morifolium (mulberry chrysanthemum).	Japan	1			Wash.
Chrysanthemum sp.	England, Japan, Mexico, Netherlands.	2		3	N. J., N. Y., Tex., Wash.
Septoria citri Pass.:					
Citrus limon (lemon)	Italy		1		Calif.*
Citrus sinensis (orange)	Australia, Spain (?)		2		Calif.*
Citrus sp. (orange)	Australia		1		Hawaii.
Septoria cyclaminis Dur. & Mont.:					
Cyclamen sp.	England			1	N. J.
Septoria examinans Berk. & Curt.:					
Ilex pumila	Switzerland			1	N. J.
Septoria helianthi Ell. & Kell.:					
Helianthus sp. (sunflower)	Mexico	1			Tex.
Septoria leucanthemi Sacc. & Speg.:					
Chrysanthemum maximum (Shasta daisy)	Mexico	1			Tex.
Septoria malvicola Ell. & G. Martin:					
Malvaceae	Canada			1	N. Y.
Septoria posekensis Sacc.:					
Miltonia sp. (orchid)	Colombia			1	Fla.
Odontoglossum citrosmum (orchid)	Mexico			1	Tex.
Oncidium (?) sp. (orchid)	Brazil			1	N. J.
Sphaceloma fawcettii Jenkins (?):					
Citrus limon (lemon)	Unknown		1		P. R.
Sphaceloma fawcettii Jenkins var. *scabiosa* (McAlp. & Tryon) Jenkins:					
Citrus limon (lemon)	Australia, New Zealand	1	4		Hawaii, N. Y., Pa.
Sphaceloma perseae Jenkins:					
Persea americana (avocado)	Guatemala	1			P. R.
Sphaceloma punicae Bitanc. & Jenkins:					
Punica granutum (pomegranate)	Italy, Mexico	4			Ariz., N. Y., Tex.
Sphacelotheca holci Jacks.:					
Sorghum halepense (Johnson grass)	Mexico	1			Tex.
Sphaeropsis cydoniae Cke. & Ell.:					
Cydonia oblonga (quince)	do	1			Tex.

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Stachylidium theobromae Turc.:					
Musa paradisiaca (plantain)	Colombia, Cuba, Dominican Republic, Honduras.	15	3	----	N. Y.
Musa paradisiaca sapientum (banana)	Brazil, Canal Zone, Colombia, Costa Rica, Ecuador, Guatemala, Honduras, Mexico, Panama.	16	----	----	Calif.*, Md., N. Y., Pa., S. C., Tex.
Stemphylium botryosum Wallr.:					
Allium cepa (onion)	Mexico	1	----	----	Tex.
Citrus limon (lemon)	Lebanon	----	----	1	Va.
Citrus paradisi (grapefruit)	Cyprus (?)	----	1	----	N. Y.
Daucus carota (carrot)	Belgium	----	1	----	Tex.
Gladiolus sp.	Mexico	2	----	----	Tex.
Lycopersicon esculentum (tomato)	Canary Islands, Ireland, Mexico.	2	1	----	N. Y., Tex.
Solanum melongena (eggplant)	Egypt	----	1	----	Md.
Stemphylium ilicis Tengwall:					
Muscari comosum	Netherlands	----	----	1	Ohio.
Oxalis sp.	do	----	----	1	N. J.
Stilbum incarnatum Wakk.:					
Eleocharis dulcis (waternut)	China	12	----	----	Calif.*
Pachyrhizus erosus (yam bean)	do	1	----	----	Wash.
Trapa natans (waterchestnut)	do	1	----	----	Calif.*
Thecopsora areolata (Fr.) Magn.:					
Prunus sp.	Finland	----	----	1	N. Y.
Thielaviopsis basicola (Berk. & Br.) Ferr.:					
Begonia tuberhybrida	Belgium	----	----	4	Pa.
Begonia sp.	do	----	----	2	N. J.
Sinningia speciosa (gloxinia)	do	----	----	5	N. J., Pa.
Torula oleae Cast.:					
Olea europaea (olive)	Mexico	----	1	----	Calif.
Trametes flavida Lev.:					
Vanda sp. (orchid)	Guam	----	----	1	Calif.*
Tranzschelia pruni-spinosae (Pers.) Diet.:					
Prunus persica (peach)	Mexico	2	----	----	Tex.
Trichoderma viride Pers. ex Fr.:					
Ananas comosus (pineapple)	do	1	----	----	Tex.
Trullula olivascens Sacc.:					
Ribes uva-crispa (European gooseberry)	Germany	----	----	1	N. J.
Tryblidiella prosopidis (Pk.) Rehm:					
Prosopis sp. (mesquite)	Mexico	1	----	----	Tex.
Tubercularia vulgaris Tode ex Fr.:					
Acer sp.	Netherlands	----	----	1	N. J.
Kerria japonica (kerria)	do	----	----	1	N. J.
Tylenchus allii Beijerinck:					
Allium sativum (garlic)	Mexico, Spain	3	1	----	Tex.
Tylenchus filiformis Butschli:					
Soil with *Artemesia, Dianthus,* and *Sedum* plants.	Italy	----	----	1	Mass.
Soil with carnation plants	do	----	----	1	N. Y.
Tylenchus putrefaciens Kuhn:					
Allium sativum (garlic)	Mexico	1	----	----	Tex.
Uredo behnickiana P. Henn.:					
Epidendrum sp. (orchid)	do	----	----	1	Tex.
Laelia anceps (orchid)	do	----	----	2	Tex.
Uredo guacae Mayor:					
Sobralia sp.	Nicaragua	----	----	1	Calif.*
Uredo nigropunctata P. Henn.:					
Epidendrum sp. (orchid)	Costa Rica	----	----	1	Fla.
Uredo oncidii P. Henn.:					
Zygopetalum burti (orchid)	do	----	----	1	Fla.
Urocystis colchici (Schlecht.) Rab.:					
Colchicum sp.	Netherlands	----	----	1	N. J.
Urocystis gladiolicola Ainsworth:					
Gladiolus cuspidatus	do	----	----	1	N. J.
Gladiolus grandis	do	----	----	1	N. J.
Gladiolus sp.	do	----	----	2	N. J., N. Y.

List of pests (diseases) collected and reported from July 1, 1949, to June 30, 1950, inclusive—Continued

[An asterisk indicates State inspection]

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Urocystis tritici Koern.:					
Triticum aestivum (wheat)	Australia	1			N. J.
Uromyces alyxiae Arth.:					
Alyxia olivaeformis (maile alyxia)	Hawaii	2			Calif.*
Uromyces fabae (Pers.) D By.:					
Vicia faba (broadbean)	France, Italy		2		N. Y., Pa.
Uromyces holwayi Lagh.:					
Lilium columbianum (Columbia lily)	British Columbia	1			Wash.
Uromyces lespedezae-procumbentis (Schw.) Curt.:					
Lespedeza bicolor (shrub bushclover)	Japan			1	Wash.
Uromyces scillarum (Grev.) Wint.:					
Muscari sp	England			1	N. Y.
Ustilago aristidae-cyananthae Bref.:					
Aristida cyanantha	India			1	D. C.
Ustilago avenae (Pers.) Jens.:					
Avena sativa (oat)	Yugoslavia			1	D. C.
Ustilago bullata Berk.:					
Bromus sp	Iraq			1	D. C.
Ustilago esculenta P. Henn.:					
Zizania aquatica	Japan	1			N. Y.
Ustilago tritici (Pers.) Rostr.:					
Triticum aestivum (wheat)	France	1			N. Y.
Venturia inaequalis (Cke.) Wint. var. *cinerascens* (Fckl.) Aderh.:					
Sorbus sp. (sorbe apple)	Italy	1			N. Y.
Vermicularia herbarum West.:					
Dianthus sp	England			1	Wash.
Verticillium lateritium (Fr.) Rabh.:					
Galanthus sp	Netherlands			1	N. J.
Volutella buxi (Cda.) Berk.:					
Buxus microphylla koreana	do			1	N. J.
Xanthomonas citri (Hasse) Dowson:					
Citrus aurantifolia (sour lime)	Ceylon, India, unknown	6	12		Mass., N. Y., Pa.
Citrus grandis (pummelo)	Japan	1			Calif.*
Citrus limon (lemon)	do	1	3		Calif.*
Citrus paradisi (grapefruit)	do		1		Calif.*
Citrus reticulata (Mandarin orange)	China, Japan	3			Calif.*
Citrus sinensis (orange)	do	11	1		Calif.*
Citrus sp. (orange)	India		1		Md.
Xanthomonas hyacinthi (Wakk.) Dowson:					
Hyacinthus sp	Netherlands			1	Mich.
Xanthomonas vesicatoria (Doidge) Dowson:					
Lycopersicon esculentum (tomato)	Mexico	1			Tex.
Zygosporium oscheoides Mont.:					
Musa paradisiaca sapientum (banana)	Colombia	2			S. C.

Hosts and diseases

ABIES:
Sclerotinia kerneri (Ascomycetes)
ACACIA:
Maravalia hyalospora (Deuteromycetes)
ACER:
Tuberculariа vulgaris (Deuteromycetes)
ACHRAS:
Diplodia theobromae (Deuteromycetes)
Pestalotia scirrofaciens (Deuteromycetes)
AGAVE:
Colletotrichum agaves (Deuteromycetes)
ALLIUM ASCALONICUM:
Papulaspora dodgeii (Deuteromycetes)
ALLIUM CEPA:
Alternaria porri (Deuteromycetes)
Curvularia lunata (Deuteromycetes)
Diplodia theobromae (Deuteromycetes)
Fusarium oxysporum f. *cepae* (Deuteromycetes)
Papulaspora parasitica (Deuteromycetes)
Stemphylium botryosum (Deuteromycetes)
ALLIUM PORRUM:
Septoria alliorum (Deuteromycetes)
ALLIUM SATIVUM:
Macrophomina phaseolina (Deuteromycetes)
Memnoniella echinata (Deuteromycetes)
Sclerotium cepivorum (Deuteromycetes)
Tylenchus allii (Nematoda)
Tylenchus putrefaciens (Nematoda)
ALYXIA:
Uromyces alyxiae (Promycetes)
ANANAS:
Curvularia lunata (Deuteromycetes)
Diplodia theobromae (Deuteromycetes)
Trichoderma viride (Deuteromycetes)
ANDROMEDA:
Diplodina rostrupii (Deuteromycetes)
ANTIRRHINUM:
Puccinia antirrhini (Promycetes)
ARACHIS:
Macrophomina phaseolina (Deuteromycetes)
ARECA:
Diplodia theobromae (Deuteromycetes)
Gloeosporium catechu (Deuteromycetes)
ARISTIDA:
Ustilago aristidae-cyananthae (Promycetes)
ARMERIA:
Cercospora insulana (Deuteromycetes)
ASPIDISTRA:
Colletotrichum omnivorum (Deuteromycetes)
AVENA:
Ustilago avenae (Promycetes)
BAMBOO:
Coniosporium shiraianum (Deuteromycetes)
BEGONIA:
Meloidogyne arenaria (Nematoda)
Thielaviopsis basicola (Deuteromycetes)
BETULA:
Melampsoridium betulinum (Promycetes)
BOSWELLIA:
Schizophyllum radiatum (Basidiomycetes)
BRASSICA OLERACEA CAPITATA:
Mycosphaerella brassicola (Ascomycetes)
BROMUS:
Ustilago bullata (Promycetes)
BUXUS:
Volutella buxi (Deuteromycetes)
CAJANUS:
Colletotrichum cajani (Deuteromycetes)
CAMELLIA:
Camellia yellow-spot virus
Pestalotia guepini (Deuteromycetes)
CAPPARIS:
Cercospora capparidis (Deuteromycetes)
CAPSICUM:
Gloeosporium piperatum (Deuteromycetes)
CARICA:
Hormodendrum cladosporioides (Deuteromycetes)
CASTANEA:
Diplodia castaneae (Deuteromycetes)
CATTLEYA:
Memnoniella echinata (Deuteromycetes)
Phyllosticta laeliae (Deuteromycetes)
CHAENOMELES:
Gymnosporangium haraeanum (Promycetes)
CHRYSANTHEMUM:
Heterosporium variabile (Deuteromycetes)
CHRYSANTHEMUM—Continued
Puccinia chrysanthemi (Promycetes)
Septoria chrysanthemi (Deuteromycetes)
Septoria leucanthemi (Deuteromycetes)
CICHORIUM:
Puccinia hieracii (Promycetes)
Sclerotinia minor (Ascomycetes)
CITRULLUS:
Fusarium oxysporum f. *niveum* (Deuteromycetes)
CITRUS AURANTIFOLIA:
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS GRANDIS:
Memnoniella echinata (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS LIMON:
Alternaria citri (Deuteromycetes)
Ascochyta citri (?) (Deuteromycetes)
Cancrosis "B"
Diplodia theobromae (Deuteromycetes)
Elsinoe australis (Ascomycetes)
Erwinia citrimaculans (Schizomycetes)
Phoma citricarpa (Deuteromycetes)
Pseudomonas syringae (Schizomycetes)
Septoria citri (Deuteromycetes)
Sphaceloma fawcettii (?) (Deuteromycetes)
Sphaceloma fawcettii var. *scabiosa* (Deuteromycetes)
Stemphylium botryosum (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS PARADISI:
Elsinoe australis (Ascomycetes)
Stemphylium botryosum (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS RETICULATA:
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS RETICULATA VAR.:
Phoma citricarpa (Deuteromycetes)
CITRUS SINENSIS:
Alternaria citri (Deuteromycetes)
Ascochyta citri (?) (Deuteromycetes)
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Septoria citri (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS SP. (orange):
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Septoria citri (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS SP.:
Meliola citricola (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
COCOS:
Cryptospora longispora (?) (Ascomycetes)
Diplodia epicocos (Deuteromycetes)
Pestalotia palmarum (Deuteromycetes)
CODIAEUM:
Cercospora codiaei (Deuteromycetes)
Laestadia minuiscula (Ascomycetes)
COFFEA:
Cercospora coffeicola (Deuteromycetes)
COLCHICUM:
Plectus parietinus (Nematoda)
Urocystis colchici (Promycetes)
COLOCASIA:
Chlamydomyces palmarum (Deuteromycetes)
CORNUS:
Phomopsis corni (Deuteromycetes)
CROCUS:
Fusarium oxysporum (Deuteromycetes)
CRYPTOMERIA:
Pestalotia funerea (Deuteromycetes)
CUCURBITA:
Marmor cucumeris (Virus)
Mycosphaerella citrullina (Ascomycetes)
CYCLAMEN:
Septoria cyclaminis (Deuteromycetes)
CYDONIA:
Fabraea maculata (Ascomycetes)
Hormodendrum cladosporioides (Deuteromycetes)
Monilinia fructigena (Deuteromycetes)
Sphaeropsis cydoniae (Deuteromycetes)

Hosts and diseases—Continued

CYMBIDIUM:
Colletotrichum cinctum (Deuteromycetes)
CYMBOPOGON:
Nigrospora sphaerica (Deuteromycetes)
CYPERUS:
Puccinia cyperi (Promycetes)
CYTISUS:
Pleospora herbarum (Ascomycetes)
DACTYLOCTENIUM:
Helminthosporium nodulosum (Deuteromycetes)
DAHLIA:
Septonema atrum (Deuteromycetes)
DAUCUS:
Stemphylium botryosum (Deuteromycetes)
DENDROBIUM:
Diplodia theobromae (Deuteromycetes)
Physalospora camptospora (Ascomycetes)
Pythium splendens (Phycomycetes)
DIANTHUS:
Alternaria dianthi (Deuteromycetes)
Mycosphaerella caryophylli (Ascomycetes)
Puccinia arenariae (Promycetes)
Vermicularia herbarum (Deuteromycetes)
ECHINOCACTUS:
Mycosphaerella opuntiae (Ascomycetes)
ELEOCHARIS:
Gliomastix convoluta (Deuteromycetes)
Macrophomina phaseolina (Deuteromycetes)
Stilbum incarnatum (Deuteromycetes)
EPIDENDRUM:
Gloeosporium epidendri (Deuteromycetes)
Pestalotia conspicua (Deuteromycetes)
Uredo behnickiana (Promycetes)
Uredo nigropunctata (Promycetes)
ERIOBOTRYA:
Fusicladium eriobotryae (Deuteromycetes)
FAGUS:
Fusicoccum galericulatum (Deuteromycetes)
FICUS:
Cercospora bolleana (Deuteromycetes)
FOENICULUM:
Fusicladium depressum (Deuteromycetes)
FRAGARIA:
Diplocarpon earliana (Ascomycetes)
Marmor fragariae (Virus)
Mycosphaerella fragariae (Ascomycetes)
Ramularia tulasnei (Deuteromycetes)
FRAXINUS:
Cercospora fraxinites (Deuteromycetes)
FRITILLARIA:
Sclerotinia bulborum (Ascomycetes)
GALANTHUS:
Botrytis galanthina (Deuteromycetes)
Verticillium lateritium (Deuteromycetes)
GALTONIA:
Ditylenchus dipsaci (Nematoda)
GARDENIA:
Omphalia flavida (Deuteromycetes)
GAULTHERIA:
Discosia artocreas (Deuteromycetes)
Pestalotia gibbosa (Deuteromycetes)
GLADIOLUS:
Botrytis gladiolorum (Deuteromycetes)
Curvularia lunata (Deuteromycetes)
Fusarium oxysporum f. *gladioli* (Deuteromycetes)
Pseudomonas marginata (Schizomycetes)
Stemphylium botryosum (Deuteromycetes)
Urocystis gladiolicola (Promycetes)
GOSSYPIUM:
Cercospora gossypina (Deuteromycetes)
HELIANTHUS:
Septoria helianthi (Deuteromycetes)
HELLEBORUS:
Coniothyrium hellebori (Deuteromycetes)
HYACINTHUS:
Xanthomonas hyacinthi (Schizomycetes)
ILEX:
Septoria examinans (Deuteromycetes)
IRIS:
Aphelenchoides subtenuis (Nematoda)
Colletotrichum liliacearum (Deuteromycetes)
Mystrosporium adustum (Deuteromycetes)
KERRIA:
Tuberculoria vulgaris (Deuteromycetes)
LAELIA:
Camillea sagraena (Ascomycetes)
LAELIA—Continued
Glomerella cincta (Ascomycetes)
Pestalotia conspicua (Deuteromycetes)
Phyllosticta laeliae (Deuteromycetes)
Uredo behnickiana (Promycetes)
LESPEDEZA:
Uromyces lespedezae-procumbentis (Promycetes)
LILIUM:
Botrytis elliptica (Deuteromycetes)
Colletotrichum lilii (Deuteromycetes)
Uromyces holwayi (Promycetes)
LYCOPERSICON:
Fusarium oxysporum lycopersici (Deuteromycetes)
Stemphylium botryosum (Deuteromycetes)
Xanthomonas vesicatoria (Schizomycetes)
MALUS:
Diaporthe eres (Ascomycetes)
Gloeodes pomigena (Deuteromycetes)
Leptothyrium pomi (Deuteromycetes)
Mycosphaerella pomi (Ascomycetes)
Physalospora obtusa (Asomycetes)
Schizophyllum radiatum (Basidiomycetes)
MALVACEAE:
Septoria malvicola (Deuteromycetes)
MANGIFERA:
Phyllosticta mortoni (Deuteromycetes)
MANIHOT:
Diplodia theobromae (Deuteromycetes)
MEDICAGO:
Arthrobotrys superba (Deuteromycetes)
MILTONIA:
Septoria posekensis (Deuteromycetes)
MURRAYA:
Meliola tenella (Ascomycetes)
MUSA PARADISIACA:
Helminthosporium torulosum (Deuteromycetes)
Stachylidium theobromae (Deuteromycetes)
MUSA PARADISIACA SAPIENTUM:
Cercospora musae (Deuteromycetes)
Helminthosporium torulosum (Deuteromycetes)
Macrophoma musae (Deuteromycetes)
Memnoniella echinata (Deuteromycetes)
Stachylidium theobromae (Deuteromycetes)
Zygosporium oscheoides (Deuteromycetes)
MUSCARI:
Stemphylium ilicis (Deuteromycetes)
Uromyces scillarum (Promycetes)
NARCISSUS:
Aphelenchoides subtenuis (Nematoda)
Fusarium oxysporum f. *narcissi* (Deuteromycetes)
Ophiostoma narcissi (Ascomycetes)
NERIUM:
Cercospora neriella (Deuteromycetes)
Pseudomonas tonelliana (Schizomycetes)
NYMPHAEA:
Diplodia theobromae (Deuteromycetes)
ODONTOGLOSSUM:
Pestalotia conspicua (Deuteromycetes)
Septoria posekensis (Deuteromycetes)
OLEA:
Cycloconium oleaginum (Deuteromycetes)
Macrophoma oleae (Deuteromycetes)
Pseudomonas savastanoi (Schizomycetes)
Torula oleae (Deuteromycetes)
ONCIDIUM:
Septoria posekensis (Deuteromycetes)
OPUNTIA:
Hendersonia opuntiae (Deuteromycetes)
ORCHID:
Colletotrichum cinctum (Deuteromycetes)
Diplodia theobromae (Deuteromycetes)
ORNITHOGALUM:
Heterosporium ornithogali (Deuteromycetes)
Puccinia ornithogali-thyrsoides (Promycetes)
ORYZA:
Cercospora oryzae (Deuteromycetes)
Chaetomium elatum (Ascomycetes)
Diplodiella oryzae (Deuteromycetes)
Entyloma oryzae (Promycetes)
Helminthosporium oryzae (Deuteromycetes)
Leptosphaeria salvinii (Ascomycetes)
Nigrospora sphaerica (Deuteromycetes)
Phyllosticta glumarum (Deuteromycetes)
OXALIS:
Stemphylium ilicis (Deuteromycetes)

Hosts and diseases—Continued

PACHYRHIZUS:
Stilbum incarnatum (Deuteromycetes)
PAEONIA:
Monochaetia paeoniae (Deuteromycetes)
PERSEA:
Sphaceloma perseae (Deuteromycetes)
PHASEOLUS LUNATUS MACROCARPUS:
Elsinoe phaseoli (Ascomycetes)
Isariopsis griseola (Deuteromycetes)
PHLOX:
Pyrenochaeta phlogis (Deuteromycetes)
PHRAGMITES:
Puccinia phragmites (Promycetes)
PHYSALIS:
Cercospora physalicola (Deuteromycetes)
PICEA:
Phragmotrichum chailletti (Promycetes)
PINUS:
Cercospora pini-densiflorae (Deuteromycetes)
Lophodermium pinastri (Ascomycetes)
Pestalotia peregrina (Deuteromycetes)
PISUM:
Ascochyta pisi (Deuteromycetes)
Colletotrichum pisi (Deuteromycetes)
PROSOPIS:
Gloeosporium leguminum (Deuteromycetes)
Ravenelia arizonica (Promycetes)
Tryblidiella prosopidis (Ascomycetes)
PRUNUS ARMENIACA:
Coryneum beijerinckii (Deuteromycetes)
PRUNUS CERASUS:
Monilinia laxa (Ascomycetes)
PRUNUS PERSICA:
Coryneum beijerinckii (Deuteromycetes)
Monilinia fructicola (Ascomycetes)
Monilinia fructigena (Ascomycetes)
Monilinia laxa (Ascomycetes)
Tranzschelia pruni-spinosae (Promycetes)
PRUNUS SP.:
Thecopsora areolata (Promycetes)
PSIDIUM:
Pestalotia psidii (Deuteromycetes)
PUERARIA:
Gliomastix convoluta (Deuteromycetes)
Melanospora zamiae (Ascomycetes)
PUNICA:
Cercospora lythracearum (Deuteromycetes)
Cytospora punica (Deuteromycetes)
Sphaceloma punicae (Deuteromycetes)
PYRACANTHA:
Fusicladium pyracanthae (Deuteromycetes)
RAPHANUS:
Aphanomyces raphani (Phycomycetes)
RHODODENDRON:
Cercospora handelii (Deuteromycetes)
Chrysomyxa rhododendri (Promycetes)
Exobasidium vaccinii (Basidiomycetes)
Mycosphaerella rhododendri (Ascomycetes)
Pestalotia macrotricha (Deuteromycetes)
Pestalotia rhododendri (Deuteromycetes)
Septoria azaleae (Deuteromycetes)
RIBES:
Cronartium ribicola (Promycetes)
Trullula olivascens (Deuteromycetes)
RICINUS:
Cercospora ricinella (Deuteromycetes)
ROSA:
Coryneum microstictum (Deuteromycetes)
Phragmidium disciflorum (Promycetes)
RUSCUS:
Leptosphaeria rusci (Ascomycetes)
Phyllosticta ruscicola (Deuteromycetes)
SACCHARUM:
Colletotrichum falcatum (Deuteromycetes)
Gnomonia iliau (Deuteromycetes)
Leptosphaeria sacchari (Ascomycetes)
SALIX:
Botryosphaeria ribis (Ascomycetes)
Physalospora obtusa (Ascomycetes)
SANSEVIERIA:
Gloeosporium sansevieriae (Deuteromycetes)
SASA:
Puccinia longicornis (Promycetes)
SCILLA:
Gliomastix convoluta (Deuteromycetes)
Papulaspora parasitica (Deuteromycetes)
SCIRPUS:
Puccinia obtecta (Promycetes)
SECALE:
Puccinia rubigo-vera f. *secalis* (Promycetes)
SECHIUM:
Mycosphaerella citrullina (Ascomycetes)
SINNINGIA:
Thielaviopsis basicola (Deuteromycetes)
SOBRALIA:
Uredo guacae (Promycetes)
SOIL:
Aphelenchoides ribes (Nematoda)
Aphelenchus agricola (Nematoda)
Aphelenchus avenae (Nematoda)
Ditylenchus intermedius (Nematoda)
Heterodera avenae (Nematoda)
Heterodera goettingiana (Nematoda)
Heterodera punctata (Nematoda)
Heterodera rostochiensis (Nematoda)
Heterodera schachtii (Nematoda)
Plectus parietinus (Nematoda)
Tylenchus filiformis (Nematoda)
SOLANUM MELONGENA:
Stemphylium botryosum (Deuteromycetes)
SOLANUM TUBEROSUM:
Fusarium oxysporum f. *tuberosi* (Deuteromycetes)
Gliomastix convoluta (Deuteromycetes)
SORBUS:
Venturia inaequalis var. *cinerascens* (Ascomycetes)
SORGHUM:
Cercospora sorghi (Deuteromycetes)
Colletotrichum falcatum (Deuteromycetes)
Colletotrichum graminicolum (Deuteromycetes)
Helminthosporium turcicum (Deuteromycetes)
Phyllosticta sorghina (Deuteromycetes)
Sphacelotheca holci (Promycetes)
SPINACIA:
Peronospora effusa (Phycomycetes)
STACHYTARPHETA:
Puccinia urbaniana (Promycetes)
TAXUS:
Pestalotia funerea (Deuteromycetes)
THELOCACTUS:
Mycosphaerella opuntiae (Ascomycetes)
THEOBROMA:
Diplodia theobromae (Deuteromycetes)
TRAPA:
Memnoniella echinata (Deuteromycetes)
Papulaspora parasitica (Deuteromycetes)
Stilbum incarnatum (Deuteromycetes)
TRITICUM:
Leptosphaeria tritici (Ascomycetes)
Puccinia graminis var. *tritici* (Promycetes)
Urocystis tritici (Promycetes)
Ustilago tritici (Promycetes)
TULIPA:
Papulaspora parasitica (Deuteromycetes)
TYPHA:
Leptosphaeria typharum (Ascomycetes)
VANDA:
Phyllosticta nigro-maculans (Deuteromycetes)
Trametes flavida (Basidiomycetes)
VANILLA:
Myrothecium verrucaria (Deuteromycetes)
VICIA:
Ascochyta pisi (Deuteromycetes)
Uromyces fabae (Promycetes)
VIOLA:
Cercospora violae (Deuteromycetes)
VITIS:
Coryneum microstictum (Deuteromycetes)
Hendersonia sarmentorum (Deuteromycetes)
Phoma viticola (Deuteromycetes)
Physalospora obtusa (Ascomycetes)
ZEA:
Puccinia sorghi (Promycetes)
ZINGIBER:
Gliomastix convoluta (Deuteromycetes)
Melanospora zamiae (Ascomycetes)
Memnoniella echinata (Deuteromycetes)
ZIZANIA:
Ustilago esculenta (Promycetes)
ZYGOPETALUM:
Uredo oncidii (Promycetes)

Hosts unknown

FERN:
Mycosphaerella filicum (Ascomycetes)
GRASS:
Colletotrichum graminicolum (Deuteromycetes)
PLANT:
Eucephalobus oxyuroides (Nematoda)
SCREENINGS FROM STRAW PACKING:
Heterodera rostochiensis (Nematoda)

Countries of origin and diseases

ALGERIA:
Leptothyrium pomi
AMERICAN SAMOA:
Phoma citricarpa
ARGENTINA:
Botryosphaeria ribis
Cancrosis "B"
Elsinoe australis
Heterodera rostochiensis
Phoma citricarpa
AUSTRALIA:
Alternaria citri
Diplodia theobromae
Gliomastix convoluta
Monilinia laxa
Phoma citricarpa
Physalospora camptospora
Septoria citri
Sphaceloma fawcettii var. *scabiosa*
Urocystis tritici
AUSTRIA:
Chrysomyxa rhododendri
Coryneum beijerinckii
Leptothyrium pomi
AZORES:
Ascochyta pisi
BELGIUM:
Cercospora handelii
Colletotrichum omnivorum
Exobasidium vaccinii
Meloidogyne arenaria
Mycosphaerella rhododendri
Sclerotinia minor
Septoria azaleae
Stemphylium botryosum
Thielaviopsis basicola
BERMUDA:
Cercospora neriella
BRAZIL:
Cercospora coffeicola
Cercospora musae
Elsinoe australis
Phoma citricarpa
Phyllosticta laeliae
Septoria posekensis
Stachylidium theobromae
BRITISH COLUMBIA:
Uromyces holwayi
BRITISH WEST INDIES:
Cercospora coffeicola
CANADA:
Arthrobotrys superba
Discosia artocreas
Pestalotia gibbosa
Puccinia hieracii
Septoria malvicola
CANAL ZONE:
Cercospora musae
Gloeosporium sansevieriae
Stachylidium theobromae
CANARY ISLANDS:
Stemphylium botryosum
CEYLON:
Xanthomonas citri
CHINA:
Botrytis elliptica
Cercospora pini-densiflorae
Chlamydomyces palmarum
Colletotrichum graminicolum
Colletotrichum lilii
Diplodiella oryzae
Gliomastix convoluta
Macrophomina phaseolina
Maravalia hyalospora
Melanospora zamiae
Meliola citricola
Memnoniella echinata
CHINA—Continued
Nigrospora sphaerica
Papulaspora parasitica
Pestalotia peregrina
Phoma citricarpa
Stilbum incarnatum
Xanthomonas citri
COLOMBIA:
Cercospora musae
Septoria posekensis
Stachylidium theobromae
Zygosporium oscheoides
COSTA RICA:
Cercospora musae
Gloeosporium epidendri
Macrophoma musae
Stachylidium theobromae
Uredo nigropuncta
Uredo oncidii
CUBA:
Cercospora musae
Diplodia theobromae
Elsinoe phaseoli
Helminthosporium oryzae
Helminthosporium torulosum
Stachylidium theobromae
CYPRUS:
Stemphylium botryosum
CZECHOSLOVAKIA:
Fusicladium depressum
DENMARK:
Cronartium ribicola
Fusarium oxysporum f. *tuberosi*
Heterodera rostochiensis
Puccinia phragmites
DOMINICAN REPUBLIC:
Cercospora musae
Diplodia theobromae
Stachylidium theobromae
ECUADOR:
Cercospora musae
Stachylidium theobromae
EGYPT:
Stemphylium botryosum
ENGLAND:
Aphelenchoides ribes (?)
Colletotrichum cinctum
Colletotrichum liliacearum
Coniothyrium hellebori
Fusarium oxysporum f. *gladioli*
Fusarium oxysporum f. *narcissi*
Heterodera punctata
Heterodera rostochiensis
Heterodera schachtii
Marmor fragariae
Melanconium betulinum
Papulaspora parasitica
Pestalotia guepini
Plectus parietinus
Pleospora herbarum
Septoria chrysanthemi
Septoria cyclaminis
Uromyces scillarum
Vermicularia herbarum
FIJI ISLANDS:
Ascochyta citri
FINLAND:
Melampsoridium betulinum
Thecopsora aerolata
FRANCE:
Alternaria dianthi
Heterodera punctata
Heterodera rostochiensis
Heterodera schachtii
Monilinia fructigena
Papulaspora dodgeii
Ramularia tulasnei

Countries of origin and diseases—Continued

FRANCE—Continued
Septoria alliorum
Uromyces fabae
Ustilago tritici
FRENCH GUINEA:
Curvularia lunata
GERMANY:
Aphelenchus avenae
Chrysomyxa rhododendri
Ditylenchus intermedius
Gloeodes pomigena
Heterodera punctata
Heterodera rostochiensis
Heterodera schachtii
Phragmidium disciflorum
Phragmotrichum chaillettii
Puccinia antirrhini
Puccinia graminis var. *tritici*
Sclerotinia kerneri
Trullula olivascens
GOLD COAST:
Gloeosporium piperatum
Macrophomina phaseolina
GREECE:
Helminthosporium oryzae
GRENADA:
Cercospora musae
GUAM:
Gloeosporium catechu
Trametes flavida
GUATEMALA:
Cercospora musae
Monilinia laxa
Mycosphaerella citrullina
Mycosphaerella caryophylli
Omphalia flavida
Sphaceloma perseae
Stachylidium theobromae
HAITI:
Cercospora musae
Colletotrichum falcatum
HAWAII:
Uromyces alyxiae
HONDURAS:
Cercospora musae
Stachylidium theobromae
INDIA:
Cercospora musae
Phyllosticta sorghina
Schizophyllum radiatum
Ustilago aristidae-cyananthae
Xanthomonas citri
IRAQ:
Ustilago bullata
IRELAND:
Heterodera punctata
Heterodera rostochiensis
Mycosphaerella brassicola
Ophiostoma narcissi
Stemphylium botryosum
ITALY:
Alternaria citri
Aphelenchoides subtenuis
Aphelenchus agricola
Aphelenchus avenae
Ascochyta citri (?)
Ascochyta pisi
Camellia yellow-spot virus
Cercospora violae
Coryneum beijerinckii
Cycloconium oleaginum
Diplodia castaneae
Diplodia theobromae
Erwinia citrimaculans
Eucephalobus oxyuroides
Fusicladium eriobotryae
Hendersonia sarmentorum
Heterodera avenae
Heterodera goettingiana
Heterodera schachtii
Leptosphaeria rusci
Macrophoma oleae
Macrophomina phaseolina
Monilinia fructigena
Mycosphaerella fragariae
ITALY—Continued
Phoma viticola
Phragmidium disciflorum
Phyllosticta ruscicola
Physalospora obtusa
Pseudomonas savastanoi
Pseudomonas syringae
Pseudomonas tonelliana
Puccinia graminis var. *tritici*
Puccinia rubigo-vera f. *secalis*
Sclerotium cepivorum
Septoria citri
Sphaceloma punicae
Tylenchus filiformis
Uromyces fabae
Venturia inaequalis var. *cinerascens*
JAPAN:
Alternaria dianthi
Botrytis elliptica
Colletotrichum lilii
Coniosporium shiraianum
Gloeodes pomigena
Gymnosporangium haraeanum
Leptosphaeria salvinii
Leptosphaeria tritici
Monochaetia paeoniae
Mycosphaerella filicum
Nigrospora sphaerica
Pestalotia funerea
Phoma citricarpa
Phyllosticta glumarum
Pseudomonas marginata
Puccinia chrysanthemi
Puccinia longicornis
Septoria chrysanthemi
Uromyces lespedezae-procumbentis
Ustilago esculenta
Xanthomonas citri
LEBANON:
Alternaria citri
Stemphylium botryosum
MARTINIQUE:
Cercospora musae
MEXICO:
Alternaria porri
Aphanomyces raphani
Ascochyta pisi
Botrytis gladiolorum
Cercospora bolleana
Cercospora codiaei
Cercospora fraxinites
Cercospora gossypina
Cercospora insulana
Cercospora lythraceanum
Cercospora musae
Cercospora oryzae
Cercospora physalicola
Cercospora ricinella
Cercospora sorghi
Chaetomium elatum
Colletotrichum agaves
Colletotrichum cinctum
Colletotrichum falcatum
Collectotrichum graminicolum
Colletotrichum lilii
Colletotrichum pisi
Coryneum beijerinckii
Cryptospora longispora
Curvularia lunata
Cytospora punica
Diplodia epicocos
Diplodia theobromae
Entyloma oryzae
Fabraea maculata
Fusarium oxysporum f. *cepae*
Fusarium oxysporum f. *lycopersici*
Fusarium oxysporum f. *niveum*
Fusarium oxysporum f. *tuberosi*
Gloeodes pomigena
Gloeosporium leguminum
Glomerella cincta
Gnomonia iliau
Helminthosporium oryzae
Helminthosporium turcicum
Hendersonia opuntiae

Countries of origin and diseases—Continued

MEXICO—Continued
Hormodendrum cladosporioides
Leptosphaeria sacchari
Leptosphaeria typharum
Leptothyrium pomi
Lophodermium pinastri
Marmor cucumeris
Memnoniella echinata
Monilinia fructicola
Mycosphaerella citrullina
Mycosphaerella opuntiae
Mycosphaerella pomi
Omphalia flavida
Peronospora effusa
Pestalotia conspicua
Pestalotia psidii
Pestalotia scirrofaciens
Phyllosticta laeliae
Phyllosticta mortoni
Pseudomonas tonelliana
Puccinia obtecta
Puccinia sorghi
Ravenelia arizonica
Schizophyllum radiatum
Septonema atrum
Septoria chrysanthemi
Septoria helianthi
Septoria leucanthemi
Septoria posekensis
Sphaceloma punicae
Sphacelotheca holci
Sphaeropsis cydoniae
Stachylidium theobromae
Stemphylium botryosum
Torula oleae
Tranzschelia pruni-spinosae
Trichoderma viride
Tryblidiella prosopidis
Tylenchus allii
Tylenchus putrefaciens
Uredo behnickiana
Xanthomonas vesicatoria
NETHERLANDS:
Aphelenchoides subtenuis
Botrytis galanthina
Cercospora handelii
Colletotrichum lilii
Coniothyrium hellebori
Coryneum microstictum
Diplodina rostrupii
Ditylenchus dipsaci
Fusarium ozysporum
Fusarium ozysporum f. *gladioli*
Fusarium ozysporum f. *narcissi*
Fusicladium pyracanthae
Fusicoccum galericulatum
Gliomastix convoluta
Heterodera punctata
Heterodera rostochiensis
Heterodera schachtii
Mycosphaerella rhododendri
Mystrosporium adustum
Ophiostoma narcissi
Papulaspora parasitica
Pestalotia macrotricha
Pestalotia rhododendri
Phomopsis corni
Plectus parietinus
Puccinia arenariae
Puccinia phragmitis
Ramularia tulasnei
Sclerotinia bulborum (?)
Septoria azalea
Septoria chrysanthemi
Stemphylium ilicis
Tuberculatia vulgaris
Urocystis colchici
Urocystis gladiolicola
Verticillium lateritium
Volutella buxi
Xanthomonas hyacinthi
NEW ZEALAND:
Pyrenochaeta phlogis
Sphaceloma fawcettii var. *scabiosa*
NICARAGUA:
Uredo guacae
NORTHERN IRELAND:
Heterodera punctata
Heterodera rostochiensis
NORWAY:
Diplocarpon earliana
Heterodera punctata
PAKISTAN:
Helminthosporium torulosum
PALAU ISLANDS:
Myrothecium verrucaria
PANAMA:
Camillea sagraena
Cercospora musae
Macrophoma musae
Stachylidium theobromae
PERU:
Alternaria dianthi
Ascochyta pisi
PHILIPPINES:
Diplodia theobromae
Helminthosporium nodulosum
Laestadia minuiscula
Macrophoma musae
Memnoniella echinata
Phoma citricarpa
Phyllosticta nigro-maculans
Puccinia cyperi
POLAND:
Aphelenchus avenae
Heterodera rostochiensis
PORTUGAL:
Physalospora obtusa
PUERTO RICO:
Cercospora lythracearum
Colletotrichum cajani
Diplodia theobromae
Elsinoe phaseoli
Isariopsis griseola
Puccinia urbaniana
SAUDI ARABIA:
Macrophoma oleae
SCOTLAND:
Coryneum microstictum
Heterodera rostochiensis
Heterosporium variabile
SIAM:
Meliola tenella
Pythium splendens
SPAIN:
Leptothyrium pomi
Septoria citri
Tylenchus allii
STRAITS SETTLEMENTS:
Nigrospora sphaerica
Phoma citricarpa
SWEDEN:
Diaporthe eres
Heterodera rostochiensis
Lophodermium pinastri
SWITZERLAND:
Chrysomyxa rhododendri
Septoria examinans
TAHITI:
Memnoniella echinata
TASMANIA:
Phoma citricarpa
TURKEY:
Aphelenchus avenae
Botrytis galanthina
UNION OF SOUTH AFRICA:
Heterosporium ornithogali
Phoma citricarpa
Puccinia ornithogali-thyrsoides
UNKNOWN:
Sphaceloma fawcettii
Xanthomonas citri
VENEZUELA:
Pestalotia palmarum
WALES:
Heterodera rostochiensis
YUGOSLAVIA:
Cercospora capparidis
Ustilago avenae

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